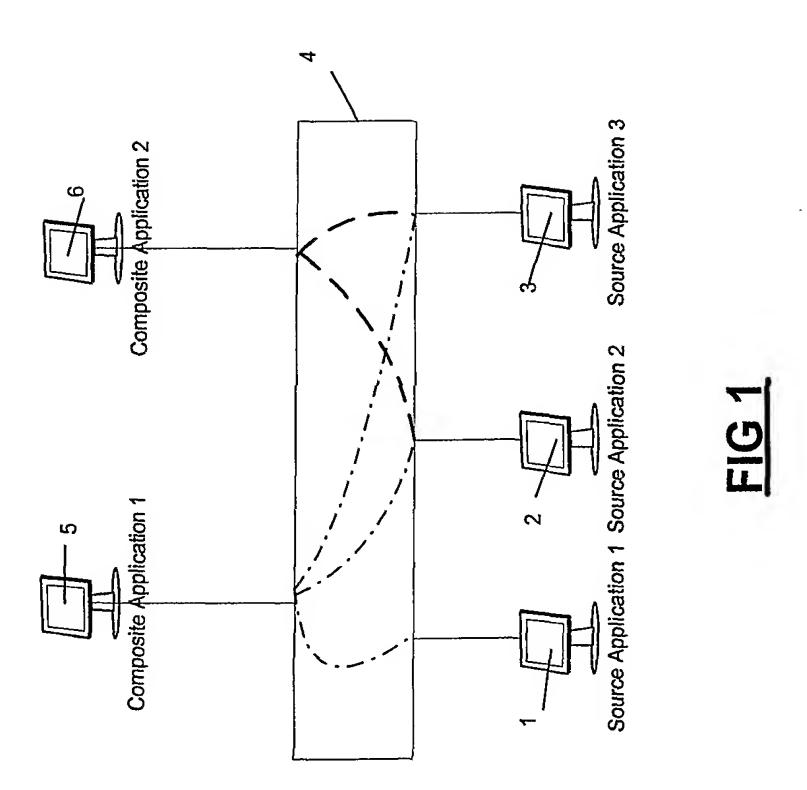
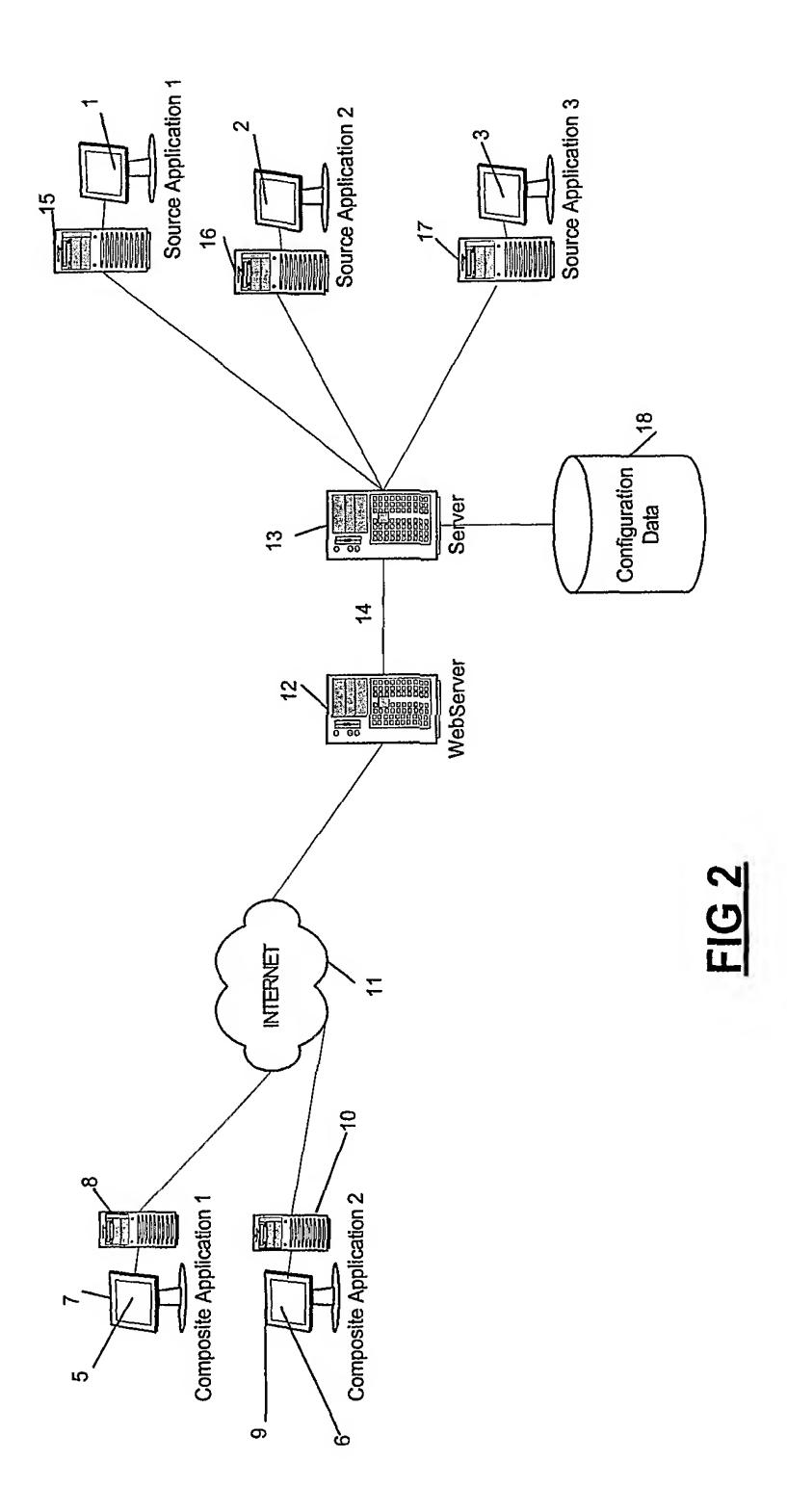
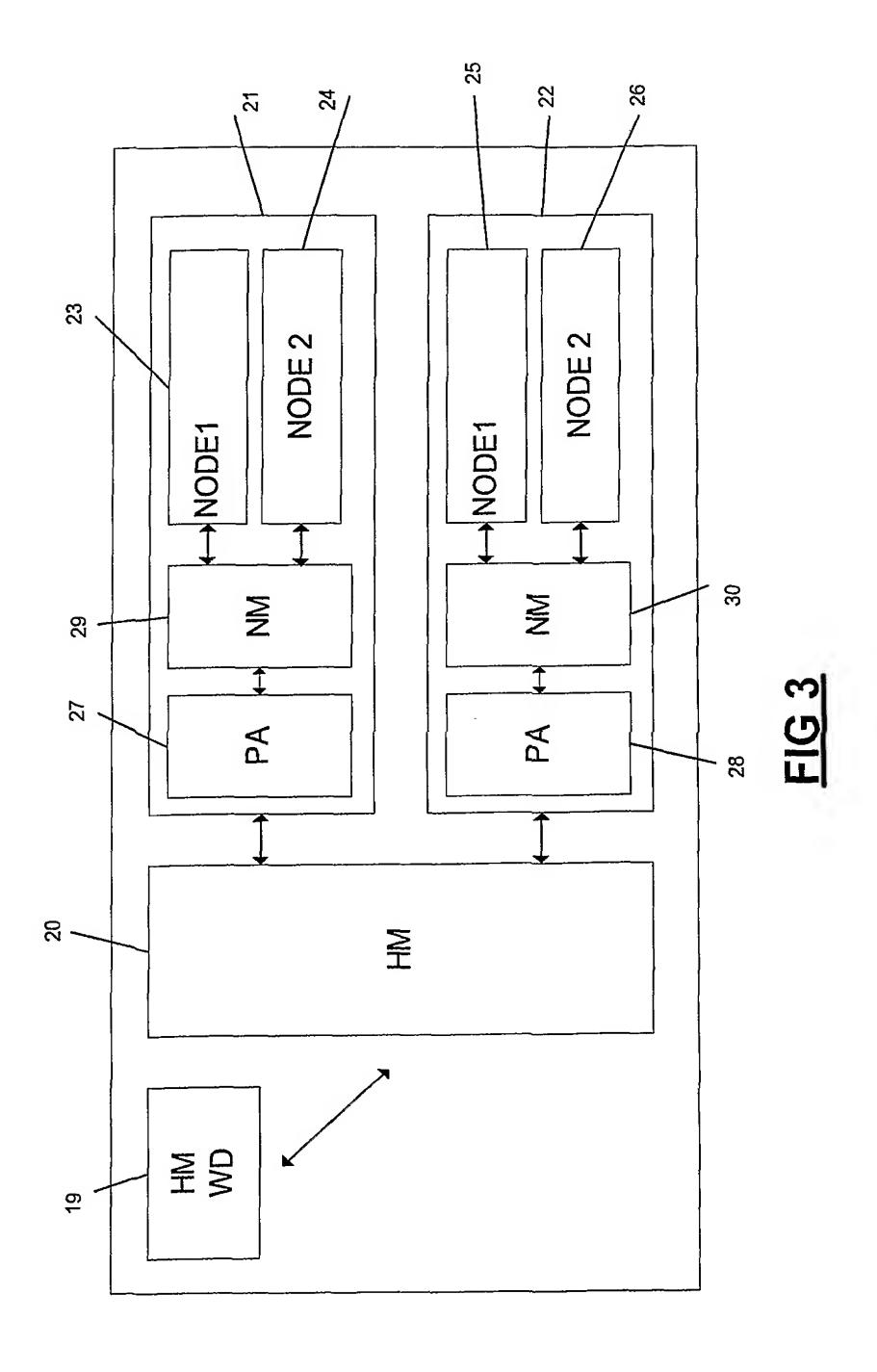
1/69



2/69



3/69



5/69

31

DefaultComponentRegistry

- -DefaultComponentRegistry minstance=new DefaultComponentRegistry()
- -MbeanServer mMyMBEanServer
- -String mG2MbeanDomain
- -String mDefaultDomain
- -String mHostlpString
- -String mProcessIdString
- -Hashtable mRegisteredComponent
- -DefaultComponentReistry()
- -void init()
- -void reisterMBeanObject(String domain, Object obj, Hashtable nvps)
- -void unregisterMBeanObject(ObjectName target)
- -void CleanUpMBeanServer()
- -voidregisterComponent(Component c)
- -void unregisterComponent(Component c)
- -Component registerComponentAware(ComponetAware ca)
- -Component registerGenericComponent(Object o)
- -Component registerRmiConnectorServer(RmiConnectorServer o)
- -Component registerCascadingAgent(CascadingAgent o)
- -Component registrHtmlAdapterServer(HtmlAdapterServer o)
- -void cleanup()
- -Set findObjectNames(AddressMask am)
- +Hashtable getComponentProperties(Component c)
- +ComponentRegistry getInstance()
- +ComponentAddress lookupComponentAddress(Object o)
- +void waitForComponentRegistration(String objectname, int maxwaitseconds)
- +Component registerObject(Object o)
- +void unregisterObject(Object o)
- +void addNotificstionListener(ObjectName name, NotificstionListener listener, java.lang.Object.handback)
- +void invokeOnObject(AddressMask m, String method, Object[] params, String[] signature)
- +void invokeOnObject(Object o, String method, Object[] params, String[] signature)
- +void invokeOnObject(ComponentAddress addr, String method, Object[] params, String[] signaure)
- +Set findLocalObjectComponents(AddressMask props)
- +Set findGlobalObjectComponents(AddressMask props)

FIG 4A

32

ComponentRegistry

- +Component registerObject(Object c)
- +void unregisterObject(Object c)
- +void invokeOnObject(AddressMask addr, String method, Object[] params, String[] signature)
- +void invokeOnObject(ComponentAddress addr, String method, Object[] params, String[] signature)
- +void invokeOnObject(Object o, String method, Object[] params, String[] signature)
- +void WaitForComponentRegistration(String objectname, int maxwaitseconds)
- +ComponentAddress lookupComponentAddress(Object o)
- +Set findLocalObjectComponents(AddressMask props)
- +set findGlobalObjectComponents(AddressMask props)

6/69

33

HostMaster -boolean misDebug -int mNextProcessId -VectormActiveProcessIds -boolean mlsAlive -ComponentRegistry mCRegistry -HostMaster mTheMaster -HostMasterComponent mHotMasterComponent -String mProcessPropsString +HostMaster() +int addProcess() +void destroyProcess(Integer pid) +void main(String[] args) +void shutdown() +void kill() +void SetLsDebug(boolean d) +boolean isDebug() +boolean isAlive() -boolean getBooleanArg(String token, String[] args) +void processLost(int pid) +Class getComponentClass() -void recover() -ShutdownMonitor

FIG 4C

34

ProcessAgent -int mMyPid -ProcessAgentComponent mAgent -ProcessAgent mAgent -NodeManager mNodeManager -boolan mlsAlive -ComponentRegistry mCRegistry +ProcessAgent(int pid) +boolean isAlive() +void main(String[] args) +void addNode(NodeType nt) +void removeNode(NodeType nt) +void startNode(NodeType nt) +void stopNode(NodeType nt) +void destroyProcess() +void addNode(String nt) +void removeNode(String nt) +void startNode(String nt) +void stopNode(String nt) +int getProcessId() +Class getComponentClass()

FIG 4D

7/69

35

NodeManager

-Vector mynodes

+void NodeManager()

+Node createNode(NodeType type)

-void destroyNode(Node n)

-void startNode(Node n)

-void stopNode(Node n)

+void destroyNode(NodeType nt)

+void startNode(NodeType nt)

+void stopNode(NodeType nt)

+Node getNode(NodeType type)

+Integer activeNodeCount()

+void recoverNodes()

FIG 4E

36

ComponentAware

+Class getComponentClass()

FIG 4F

37

HostMasterComponent

- -String MBEANTYPE="HostMaster"
- -String MYBEAQNDESCRIPTION
- -int HEARTBEATRETRIES=1
- -int HEARTBEATPERIOD=5000
- -HostMaster mHostMaster
- -HtmlAdapterComponent mHtmlAdapterComponent
- -Hashtable mRemAgents
- -ComponentRegistry mCRegistry
- +HostMasterComponent(Object hm)
- -CascadingAgent createCascadingAgent(String cascadingDomain, String hostname, int targetProcess
- +String getType()
- +void processAdded(int pid)
- +void processRemoved(int pid)
- +void preRegister()
- +void preUnregister()
- +void handleNotification(Notification n, Object o)
- +void processRecovered(int pid)
- #String getMBeaqnDescription()
- #ModelMBeanOperationInfo[] getMBenOperations()

8/69

38

+String MBEANTYPE="ProcessAgent" -String MYBEANDESCRIPTION="" -ProcessAgent mProcessAgent -RMIConnectorServerComponent mRMIServer -ComponentRegistry mCRegistry +ProcessAgentRegistry(Object pa) + void preRegister() +void preUnregister() +String getType() #String getMBeanDescription() #ModelMBeanOperationInfo[] getMBeanOperations()

FIG 4H

39

GenericComponent	
-String MYBEANDESCRIPTION="Object" +GenericComponent(Object o) +String getType() #String getMBeanDescription()	

FIG 41

40

Component					
+String IDPROP="id" +String TYPEPROP="type" +String HOSTPROP="host" +String PROCESSPROP="process" +String NODEPROP="node" +String SERVICEPROP="service" +String getId() +String getType() +String getService() +String getNode() +String getAdminDomain() +Object getObject() +Object getMBEan() +String getHostId() +String getProcessId() +void preRegister() +void preUnregister()					

FIG 4J

9/69

41

ComponentBase -Object mTheObject -String mObjectDescription -Object mTheMBean -ArrayList mMBeanOperationInfo -ArrayList mMBEANAttributeInfo -ArrayList mMBeanNotificationInfo -String mHostlp -String mProcessId +ComponentBase(Object o) +boolean isMBean(Object o) +String getId() +String getType() +String getService() +string getNode() +Object getObject() +void preRegister() +void preUnregister() +Object getMBean() #void setObjectDescription(String desc) #ModelMBeanOperatingInfo[] getMBeanOperations() #ModelMBeanAttributeInfo[] getMBeanAttributes() #ModelMBeanNotificationInfo[] getMBeanNotifications() #String getMBeanDescription() -void setupMBeanInfo() +String getAdminDomain() +String getHostIP() +String getProcessId()

FIG 4K

42

	G2Component	
+G2Component(Object o) +String getAdminDomain()		

FIG 4L

43

AdminComponent +AdminComponent(Object o) +String getAdminDomain()

FIG 4M

10/69

44

CascadingAgentComponent

- +String MBEANTYPE="CascadingAgent"
- +String CONNECTORCLIENTCLASSNAME="com.sun.i"
- +CascadingAgentComponent(CascadingAgent agent)
- +String getId()
- +String getType()

FIG 4N

45

HTMLAdaptorComponent

-String HTTPCONNECTIONSERVER

-HtmlAdaptorServer mHtmlAdaptor

- +HtmlAdaptorComponent(HtmlAdaptorServer has)
- +String getType()

FIG 40

46

RMIConnectorServerComponent

- +String RMICONNECTORSERVER="RmiConnectorServer"
- +String RMICONNECTORSERVICENAMEPREFIX="Process-"
- -RmiConnectorServer mTheRmiConnector=null
- +RMIConnectorServerComponent(RmiConnectorServer o)
- +String getRMIConnectorServiceName(int targetProcessId)
- +String getType()

FIG 4P

47

ServiceComponent

- -BaseService m_Service
- -String MYBEANDESCRIPTION="A Service"
- +ServiceComponent(Object s)
- +String etType()
- +String getNode()
- #String getMBeanDescription()
- #ModelMBeanAttributeInfo[] getMBeanAttributes()
- #ModelMBeanOperationInfo[] getMBeanOperation

FIG 4Q

11/69

48

NodeComponent -String MYMBEANDESCRIPTION="A node : runs a set" +String getType() #String getMBeanDescription() #ModelMBeanAttributeInfo[] getMBeanAttributes()

FIG 4R

-MasterNode mNode

+NodeComponent(Object n)

#ModelMBeanOperationInfo[] getMBeanOperations()

-G2Runtime mlnstance=new G2Runtime()

-int mProcessId

-G2Runtime()

+void init()

-String mHostldString

+String getHostId() +int getProcessId()

		49
	NodeAdmin	
+Node createNode(NodeType type) +void startNode(NodeType nt) +void stopNode(NodeType nt) +Node getNode(NodeType type) +Integer activeNodeCount() +void recoverNodes()		

FIG 4S

50 **G2Runtime** +ComponentRegistry getComponentRegistry()

FIG 4T

12/69

51

ComponentAddress

- -Hashtable mAddressAttributes
- -String HOST=G2Runtime.getHostlp()
- -String PROCESS=""+G2Runtime.getProcessId()
- -AddressAttribute[] mAttributeList=new AddressAttribute[]
- +ComponentAddress newAddress()
- +ComponentAddress getAddress(Component c)
- -ComponentAddress(Hashtable props)
- -ComponentAddress()
- +Hashtable getAttributes()
- +void setAttribute(AddressAttribute aa)
- +AddressAttribute getAttribute(String name)
- +boolean isComplete()
- +boolean equals(Object o)
- +String toString()

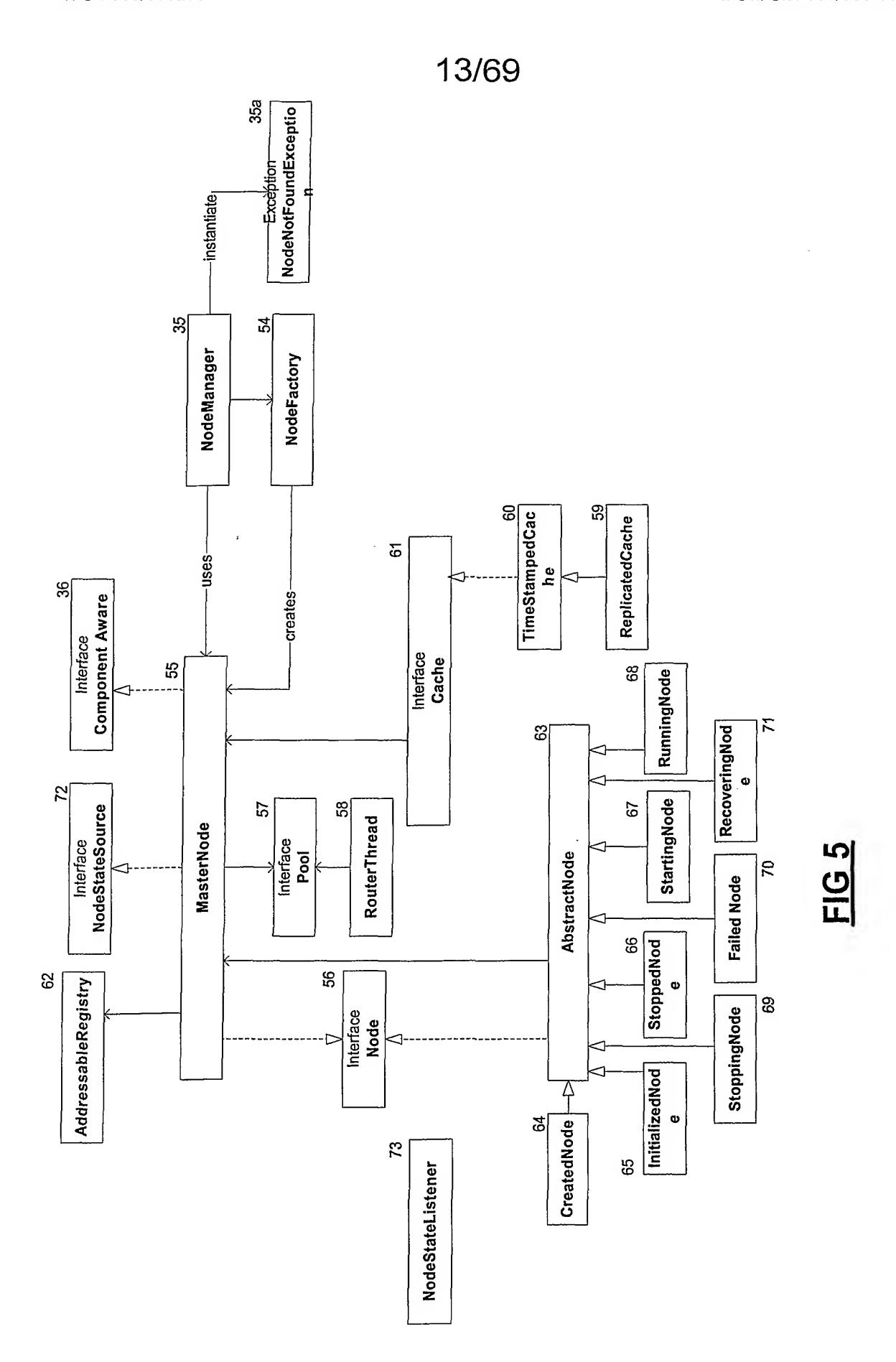
FIG 4U

52

MBeanConfig

- +int RMIPORT=1099
- +int HTTPPORT=8080
- +String G2DOMAQIN="G2Domain"
- +String DEFAULTDOMAIN="DefaultDomain"
- +String PIDPROPERTYNAME="g2.processid"

FIG 4V



55

_	A
~	23

com.genient.platform.node.NodeFactory -Object[I] NODEDEFS={ { NodeType.A} -NodeFactory instance=new NodeFactory() # NodeFactory getInstance() +Node[] createNodes(NodeType[] nodetype) +Node createNode(NodeType nodetype) -void loadNodeDefs() -LinkedList getApplicationAdapterServiceList -LinkedList getClientAdapterServiceList() -LinkedList getBPStoreServiceList() -LinkedList getTMServiceList() -LinkedList getSystemManagerServiceList() -LinkedList getDebugNodeServiceList()

FIG 5A

56

interface ...*platform.node.Node*

- +void init()
- +void start()
- +void stop()
- +void destroy()
- +void recover()

FIG 5C

57

interface

com.genient.platform.util.Pool

- +void releaseObject(Object o)
- +Object getObject()
- +int getAvailableCount()
- +int getSize()

FIG 5D

ComponentAware

...platform.node.MasterNode

- -Thread mEventNotifier
- NodeType type
- -String subType
- -HashMap mStateTransitions
- -HashMap mServices
- -HashMap mListeners
- -boolean islnitialised
- -boolean removed
- -String lastError≈NOERROR
- -String NOERROR="NONE"
- -Node mState
- -Pool mRouterThreadPool
- -Cache mCache
- -AddressableRegistry mAddressak
- -vold notifyListeners()
- -void setType(NodeType type)
- -void startServices()
- -void stopServices()
- +String getLastError()
- +NodeType getType()
- +Node getState()
- +String getStateDescription()
- -void initRouterThreadPool()

#void addService(HandlerContext s

- #void removeServices()
- + MasterNode()
- +void addListener()
- +void removeListener()
- +void start()
- +void stop()
- +void setSubType(String st)
- +String getSubType()
- +void init()
- +void destroy()
- +Integer getAvailableRouterThread
- +RouterThread getRouterThread()
- +void releaseRouterThread(Router
- +Class getComponentClass()
- +void recover()
- #void setState(Node newState)

FIG 5B

15/69

58

Thread

AutoPoolReleasing

.platform.node.RouterThread

- -Pool mMyPool
- -boolean mlsNextMsg
- -boolean mRunning
- -MessageRouter mTarget
- -Message mMessage
- -MessageRouter mNextTarget
- -Message mNextMessage
- -Semaphore mRouterSignal
- + RouterThread()
- +void setPool(Pool p)
- +void route(MessageRouter sink, N
- +void start()
- +void halt()
- +void run()
- +boolean isRunning()

FIG 5E

60

com.genient.platform.node.TimeStampedCache

-m_cacheData Map

Object getObject(String name)

- +void addObject(String name, Object value)
- +void removeObject(String name)
- +void updateObject(String name, Object value)
- -void startUpdateTracking()
- -void endUpdateTracking()
- -Map getUpdatedObjects()
- -List getDeletedObjects()

FIG 5G

61

com.genient.platform.node.ReplicatedCache

- +Object getObject(String name)
- +void addObject(String name, Object value)
- +void removeObject(String name)
- +void updateObject(String name, Object value)
- -void updateRemoteCopy()
- -void setCheckPoint()
- -HashMap getModifiedSinceCheckpoint()
- -List getDeletedSinceCheckpoint()
- -void clearCheckPoint()

FIG 5F

62

interface

com.genient.platform.node.Cache

- +void addObject(String name, Object value)
- +void removeObject(String name)
- +void updateObject(String name, Object value)
- +Object getObject(String name)

FIG 5H

63

..node.AddressableRegistry

- +void registerAddressable(Adressa
- +void unregisterAddressable(Adres
- +Addressable lookup(AddressMas

FIG 51

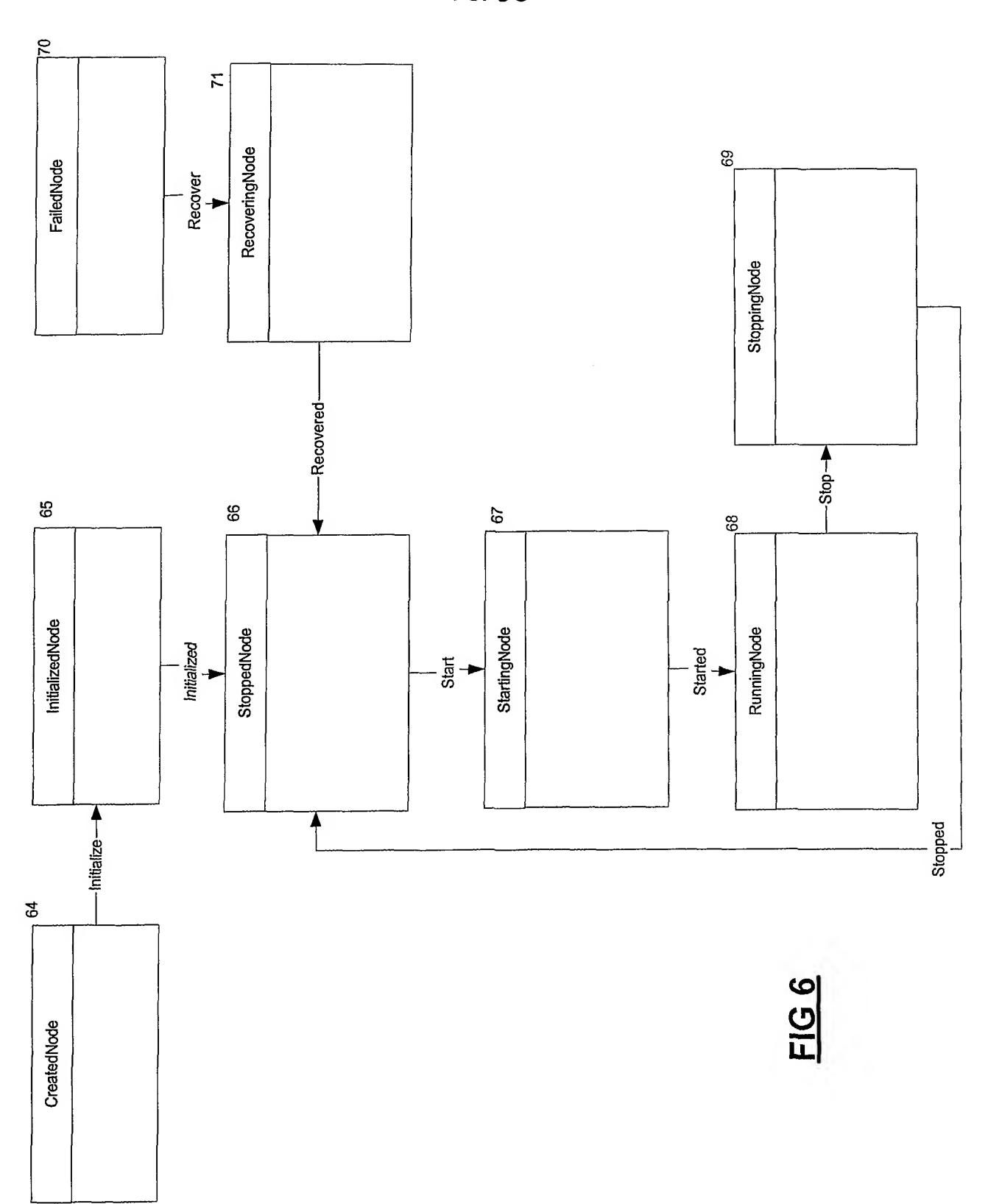
77

Node

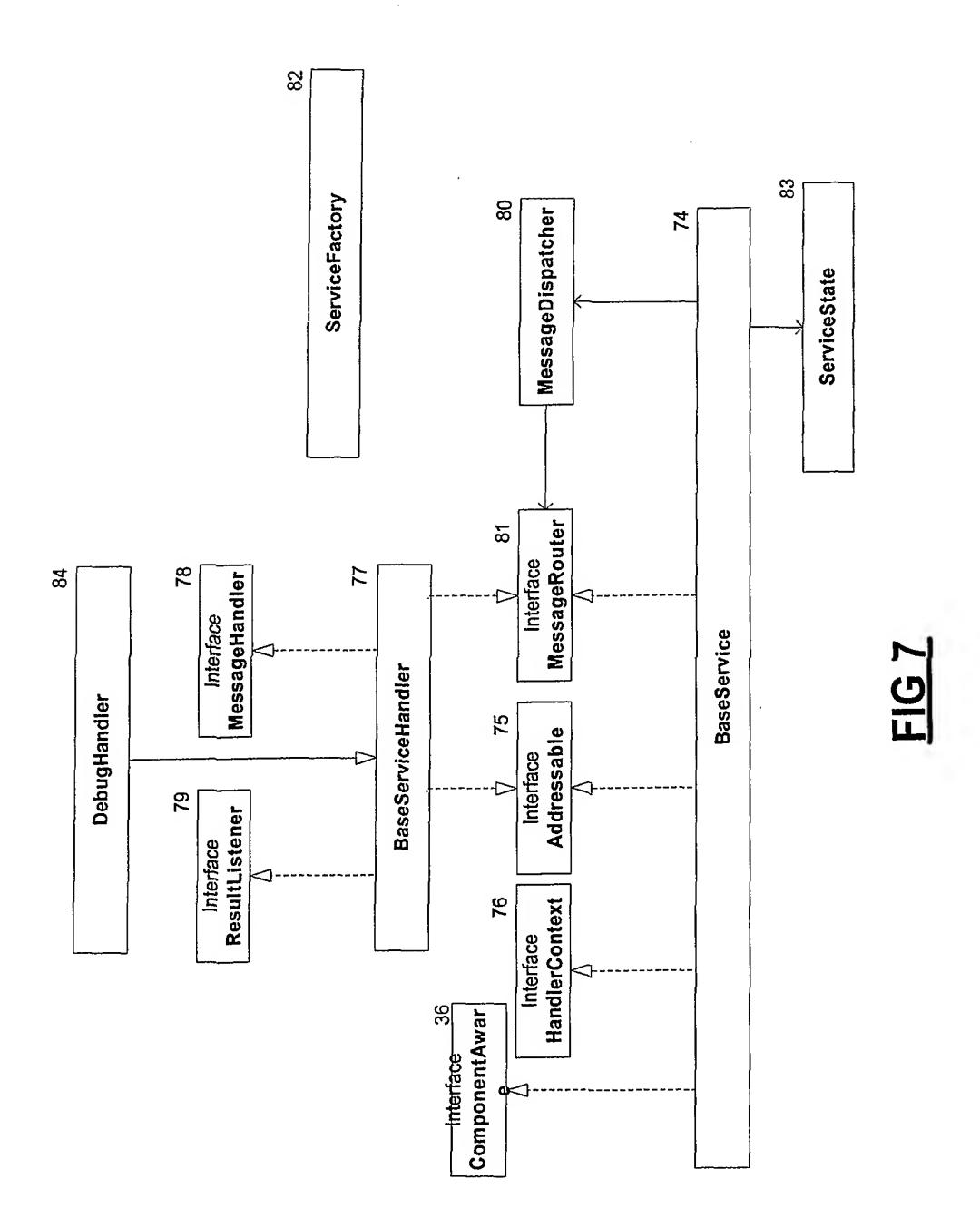
...platform.node.AbstractNode #MasterNode mCtx

FIG 5J

16/69



17/69



ComponentAware

74

..platform.framework.BaseService

- -int mMessageSendCount
- -int mMessageReceivedCount
- -float mMsgAvg
- -HashMap mMessageListeners
- -int mResultsHandled
- -int mResultsMissed
- -MasterNode mNode
- -ServiceType mType
- -ServiceState mState
- -Pool mServiceableHandlerPool
- -PriorityQueue minQueue
- -PriorityQueue mOutQueue
- MessageDispatcher mMyInDispate
- -MessageDispatcher mMyOutDispa
- -ComponentAddress mMyAddress
- -AddressableRegistry mRegistry
- <<constructor>>
- + BaseService(ServiceType service
- +void initService(String host, String
- +ServiceType getType()
- #yoid sendServiceMessage(Messa
- +void route(Message msg)
- +void updateMessageStatistics(Me
- +ComponentAddress getAddress()
- #void initHandlerPool(Vector handle
- +void startService()
- +void stopService()
- +MasterNode getNodeQ
- +Integer getState()
- +Integer getInQueueSize()
- +Integer getOutQueueSize()
- +Integer getMessageInCount()
- +Integer getMessageOutCount()
- +String getAverageMessageAge()
- +Integer getAvailableHandlers()
- #Queue getInQueue()
- #Queue getOutQueue()
- +void addResultListener(Messagel
- +ResultListener removeResultListe
- +Integer getResultListenersCount(
- +void receivedResult()
- +Integer getResultsHandled()
- +void missedResult()
- +Integer getResultsMissedQ
- +Class getComponentClass()
- -MessageToHandlerForwarder
- -MessageToRouterForwarder

18/69

interface

76

com.genient.platform.framework.HandlerContext

- +ServiceType getType()
- +void route(Message msg)
- +ComponentAddress getAddress()
- +Integer getState()
- +void addResultListener(MessageId replyToId, ResultListener target)
- +ResultListener removeResultListener(MessageId replyToId)
- +void registerAddressable(Addressable obj)
- +void unregisterAddressable(Addressable obj)
- +ArrayList lookupAddressables(AddressMask mask)
- +void addResultListener(MessageId replyToId, ResultListener target)

+void addPersistentResultListener(MessageId replyToId, ResultLister

FIG 7B

FIG 7A

19/69

77

AutoPoolReleasing ResultListener

"framework.BaseServiceHandler

- -Pool mMyPool
- -HandlerContext mMyParent
- -CommandExecutor mMyExecutor
- -Message mCurrentMessage
- + BaseServiceHandler(HandlerContex
- +void setPool(Pool p)
- +Message getCurrentMessage()
- +void handleMessage(Message msg)
- +void route(Message msg)
- +void deliverResult(Object o)
- +ComponentAddress getAddress()
- +HandlerContext getParent()

-CommandExecutor

FIG 7C

82

...platform.services.ServiceFactory

- -ServiceFactory instance=null
- -ComponentRegistry mCRegistry
- # ServiceFactory()
- +ServiceFactory getInstance()
- +HandlerContext getService(Master

FIG 7E

80

Thread

...services.MessageDispatcher

- -Queue mWaitQueue
- -MessageRouter mTarget
- -boolean mRunning
- + MessageDispatcher(Queue q, Me
- +void start()
- +void run()
- +void halt()

FIG 7D

83

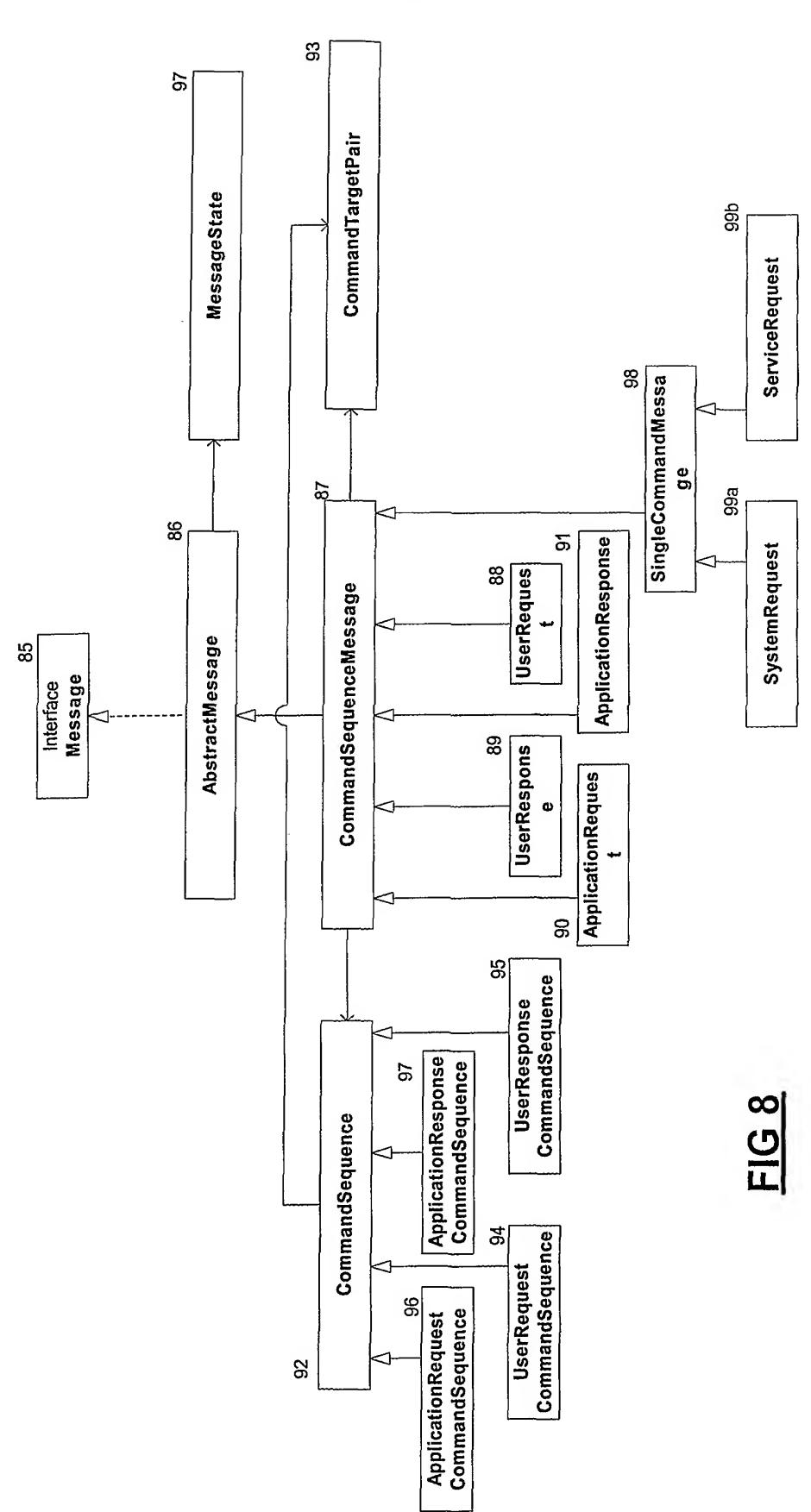
Serializable

...platform.services.ServiceState

- -byte mindex
- -String mName
- -byte RUNNING INDEX=0
- -byte STARTING INDEX=1
- -byte STOPPED INDEX=2
 -byte STOPPING INDEX=3
- -byte RECOVERING INDEX=4
- -byte FAILED INDEX=5
- +ServiceState RUNNING=new Serv
- +ServiceState STARTING=new Ser
- +ServiceState STOPPED=new Serv
- +ServiceState STOPPING=new Ser
- +ServiceState RECOVERING=new
- +ServiceState FAILED=new Service
- +String toString()
- +boolean equals(Object obj)
- +ServiceState fromInt(int index)
- +intintValue()
- -Object readResolve()

FIG 7F

20/69



21/69

+void setHeaderValue (headername: String, headervalue:Object - boolean isValidHeaderType (name: String, value: Object) #AddressMask getTargetForState(state: MessageState) +void addMessageNVP(name:String, value:Serializable) #Command getCommandForState (state:MessageState) +void commandFailed (e:RequestProcessingException) #AbstractMessage(src:Addressable, ctx:GenientID) +Serializable getMessageNVPValue (name: String) +Object getHeaderValue (headername : String) **AbstractMessage** -void readObject (stream: ObjectInputStream) +boolean isValidHeaderName (name: String) +void removeMessageNVP (name: String) #void appendToHistory (id: Messageid) #void commandSuccessNotification() +AddressMask getAddressMask() #boolean commandFinished () #void setHistory (hist: Iterator) +Message copyWithNewld() +AddressMask getSource() +void commandSucceded() -mClonedFrom: Messageid +Command getCommand() -mSource: AddressMask -mHeaderMap: HashMap +boolean isMulfiDelivery() -mState: MessageState +GenientID getContext() +MessageId getRootId() +boolean hasFinished() +Map headersAsMap() -mHeaders: HashMap +void leaveProcess() -mHistory: ArrayList -void initHeaderMap() +Iterator getHistory() -mCreateTime: long -mNVPs: HashMap +Messageid getld() -mid: Messageid +String toString() +long getAge() +void cancel()

+Serializable getMessageNVPValue (name: String)

+MessageType getType()

+boolean hasFinished()

+Map headersAsMap()

+MessageId getRootId()

+Object getHeaderValue (headername : String)

+lterator getHistory()
+Messageid getId()

+Command getCommand()
+GenientID getContext()

85

+void addMessageNVP(name:String, value:Serializable)

+void cancel()

Interface Message +void commandFailed (e:RequestProcessingException)

+AddressMask getAddressMask()

+long getAge()

+Message copyWithNewId()

+void commandSucceded()

FIG 8/

+void setHeaderValue (heademame: String, headervalue:Object

-void readObject (stream: ObjectInputStream)

+void removeMessageNVP (name: String)

+boolean isValidHeaderName (name: String)

+void leaveProcess()

+boolean isMultiDelivery()

:IG 8B

22/69

87 9 +CommandSequenceMessage (src.Addressable, defaultSeq: CommandSequence, errorDelivery: CommandTargetPair, ctx: GenientId, scrolltosource: boolean) 83 +UserResponse (src:Addressable, requestData: Object, ctx: GenientId) +ApplicationResponse (src:Addressable, requestData: Object, ctx ApplicationResponse +CommandSequenceMessage (src:Addressable, defaultSeq : CommandSequence, errorDelivery : CommandTargetPair, ctx : GenientId) UserResponse 8日 -CommandTargetPair getFailureDelivery() +MessageType getType() -CommandTargetPair.getFailureDelivery() +MessageType getType() CommandSequenceMessage Genientld) 88 +ApplicationRequest (src:Addressable, requestData: Object, ctx: GenientId) 8 +UserRequest (src:Addressable, requestData: Object, ctx: GenientId) #AddressMask getTargetForState (state: Message State) +Command getCommandForState (state: MessageState) ApplicationRequest UserRequest +MessageType getType() -CommandTargetPair getFailureDelivery() -m_ProcessDelivery: CommandTargetPair -CommandTargetPair getFailureDelivery() -m_ErrorDelivery: CommandTargetPair -m_IPCDelivery: CommandTargetPair #void commandSucessNotifcation() -mSequence: CommandSequence #boolean commandsFinished() +MessageType getType()

23/69

CommandTargetPair

-mCommand: Command

-mCommandClass: Class -mTarget: Address Mask

+CommandSequence (ctp : CommandTargetPair[])

-mCommandTargetPairs : ArrayList

-mIndex: int

+CommandTargetPair nextCommandTarget()

+booiean isFinished()

+void cancel()

+AddressMask peekNextAddress()

+void reset()

FIG 8H

+CommandTargetPair(cmd: Class, trg: AddressMask) +Command getCommand() +AddressMask getTarget()

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86

SingleCommandMessage

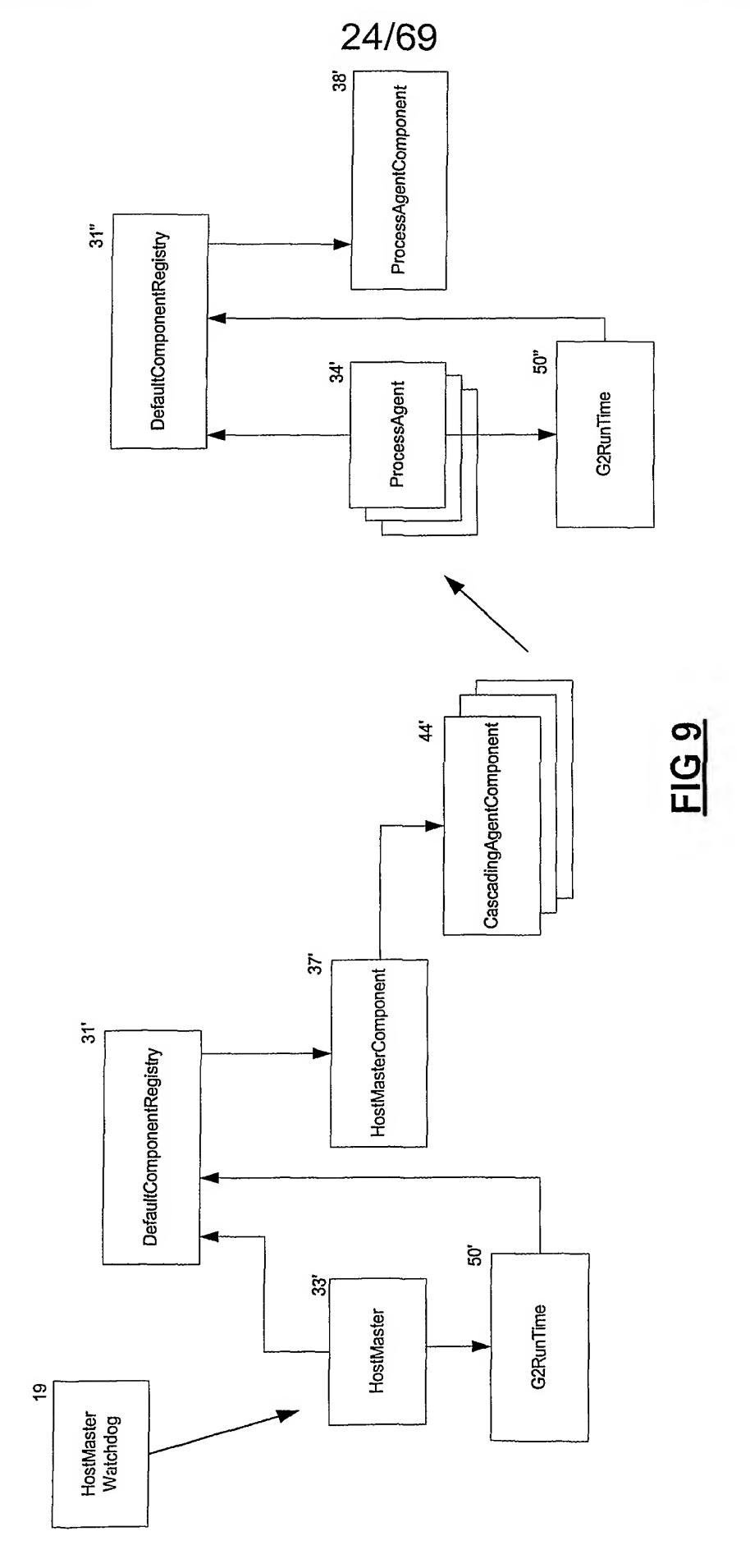
+SingleCommandMessage (src:Addressable, target: AddressMask, cmd: Command, ctx: GenientId, internaliseResponse: boolean) +SingleCommandMessage (src:Addressable, target: AddressMask, cmd: Command, ctx: GenientId) -CommandTargetPair getFailureDelivery()

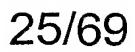
-CommandSequence createCommandSequence (src:Addressable, target: AddressMask, cmd: Command, ctx: Genientld, internaliseResponse:

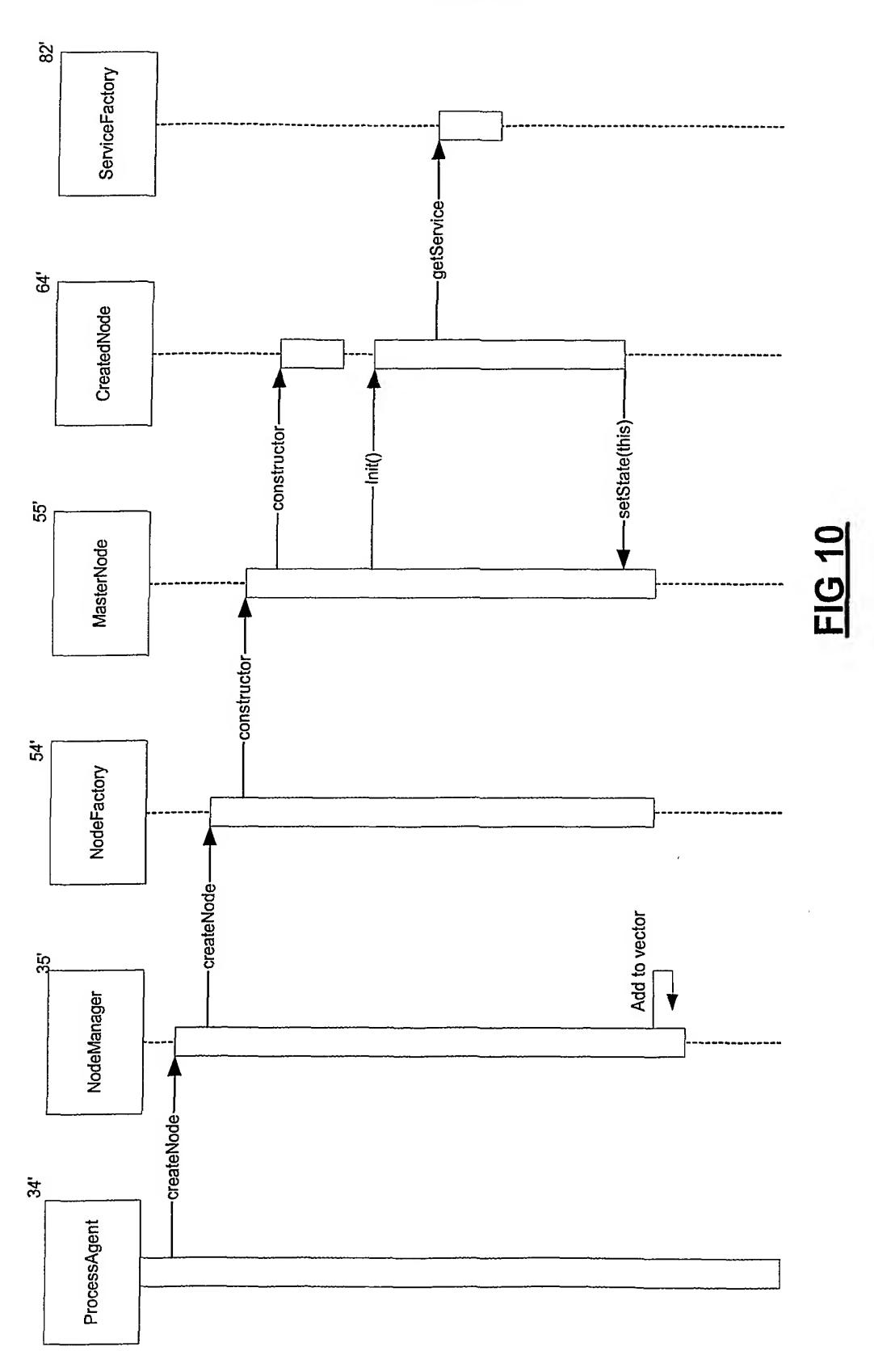
boolean)

92

CommandSequence







26/69

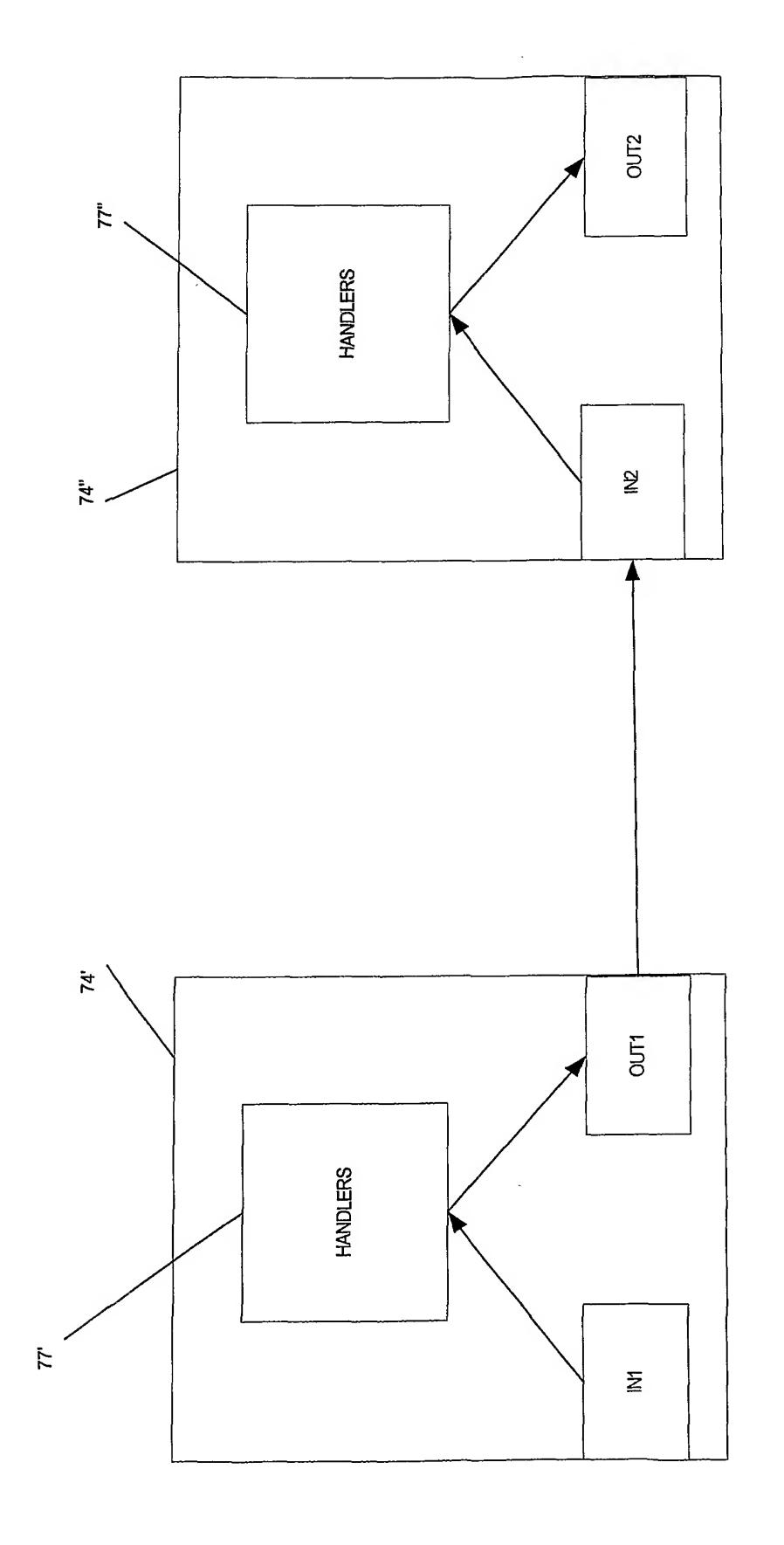
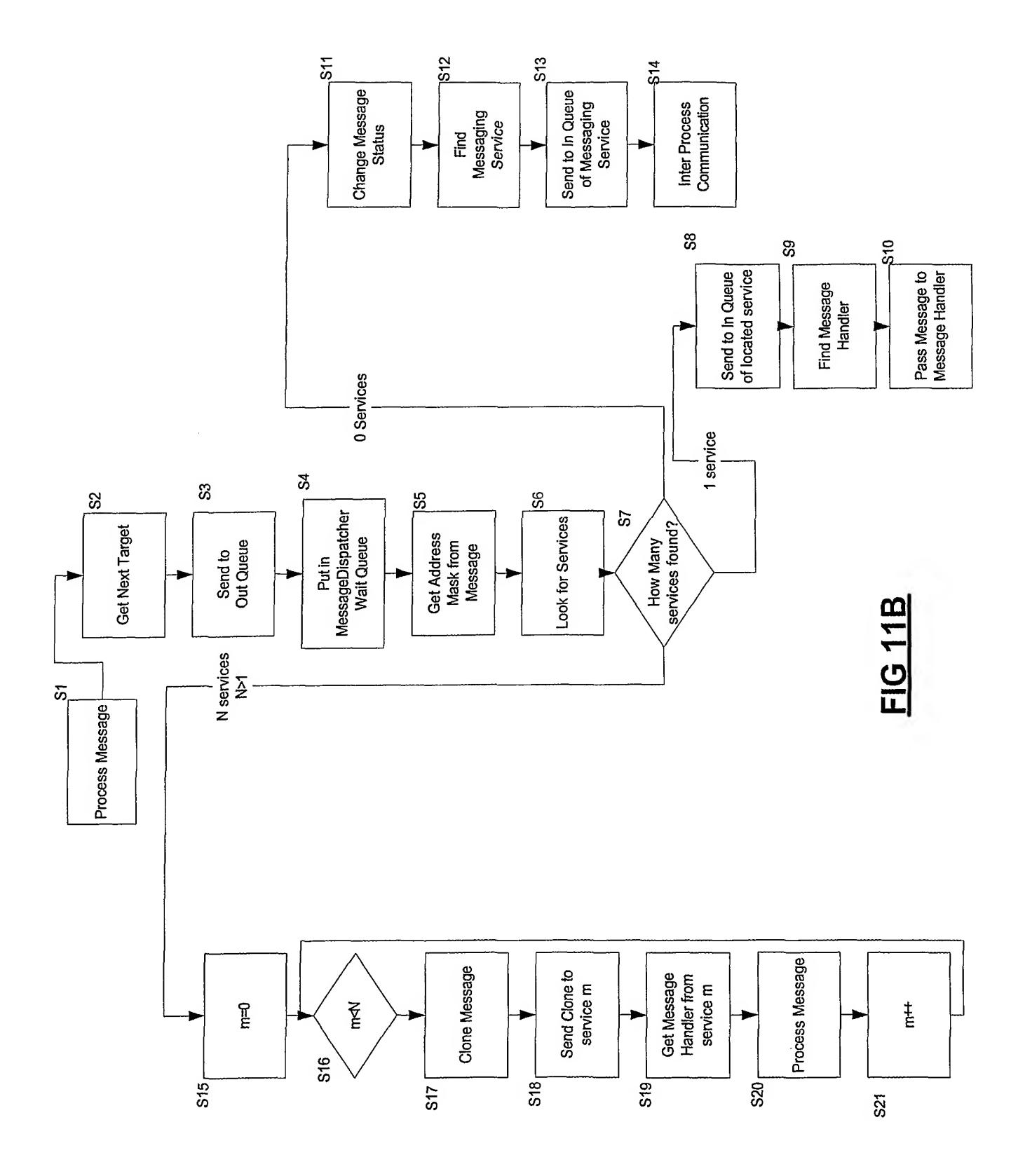
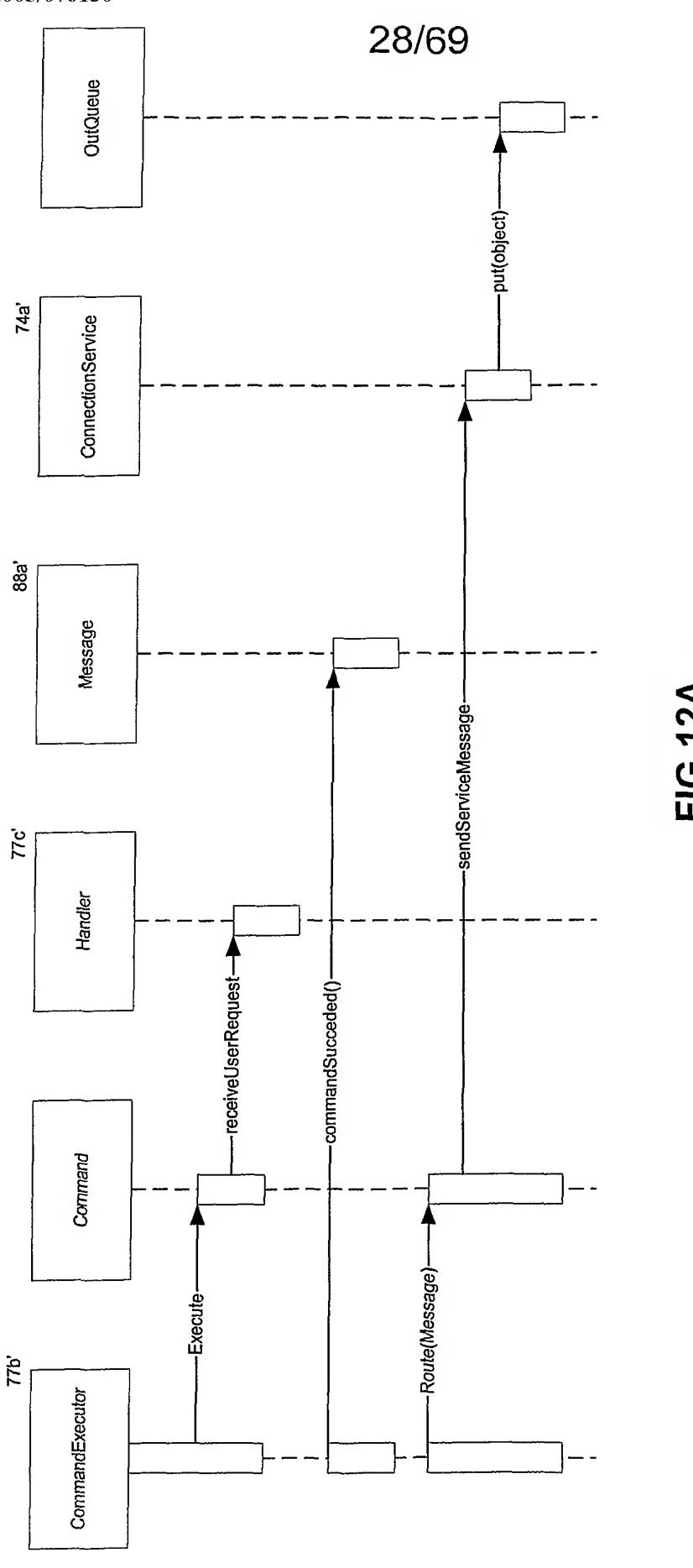
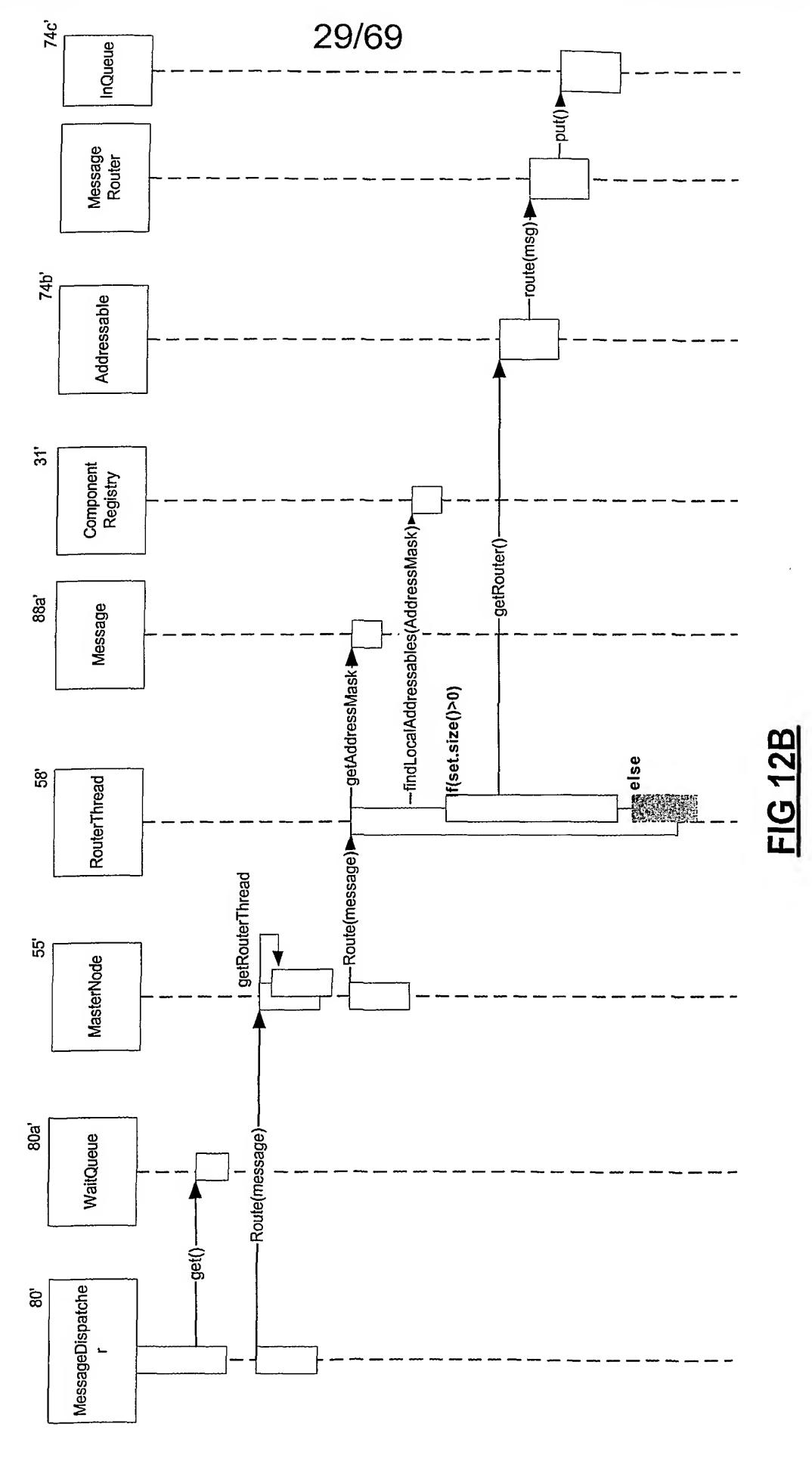


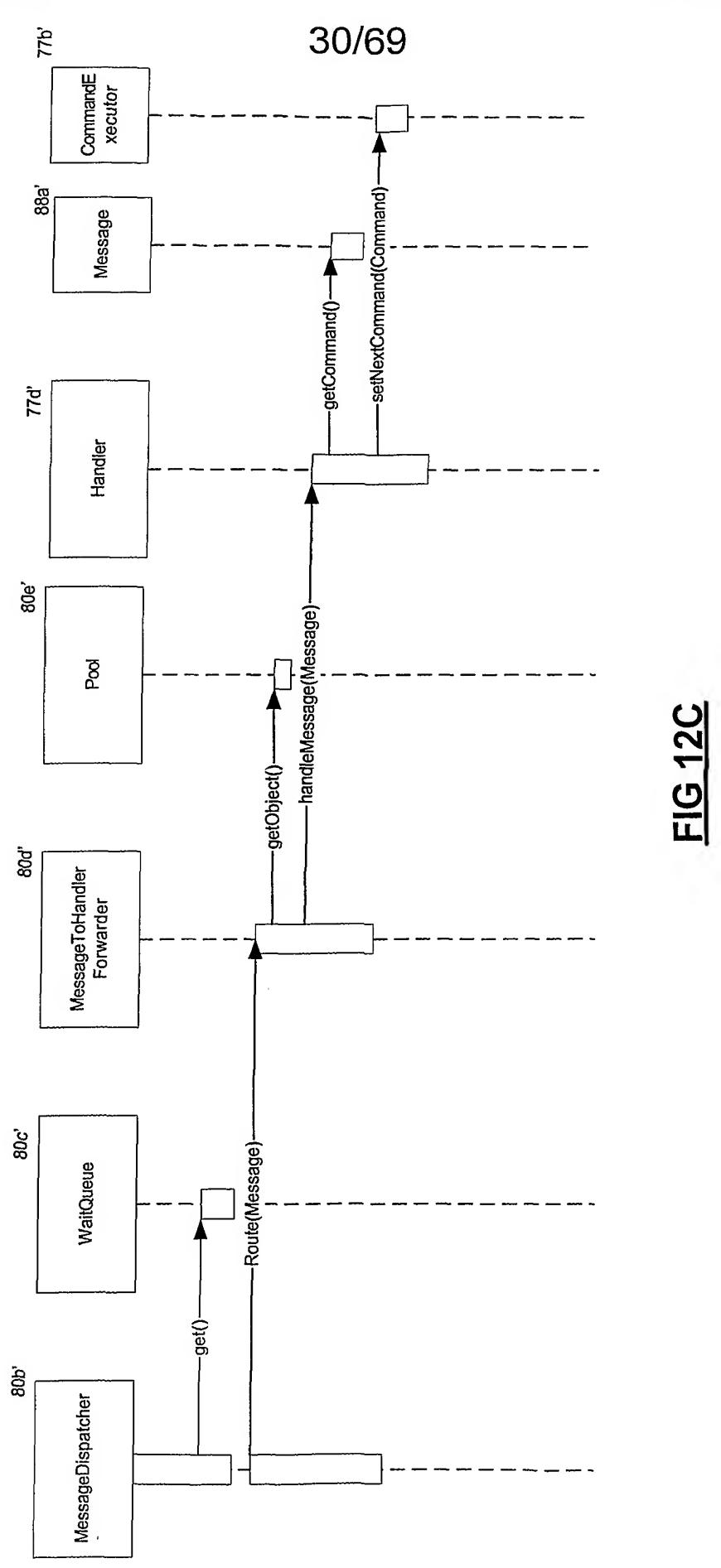
FIG 11A

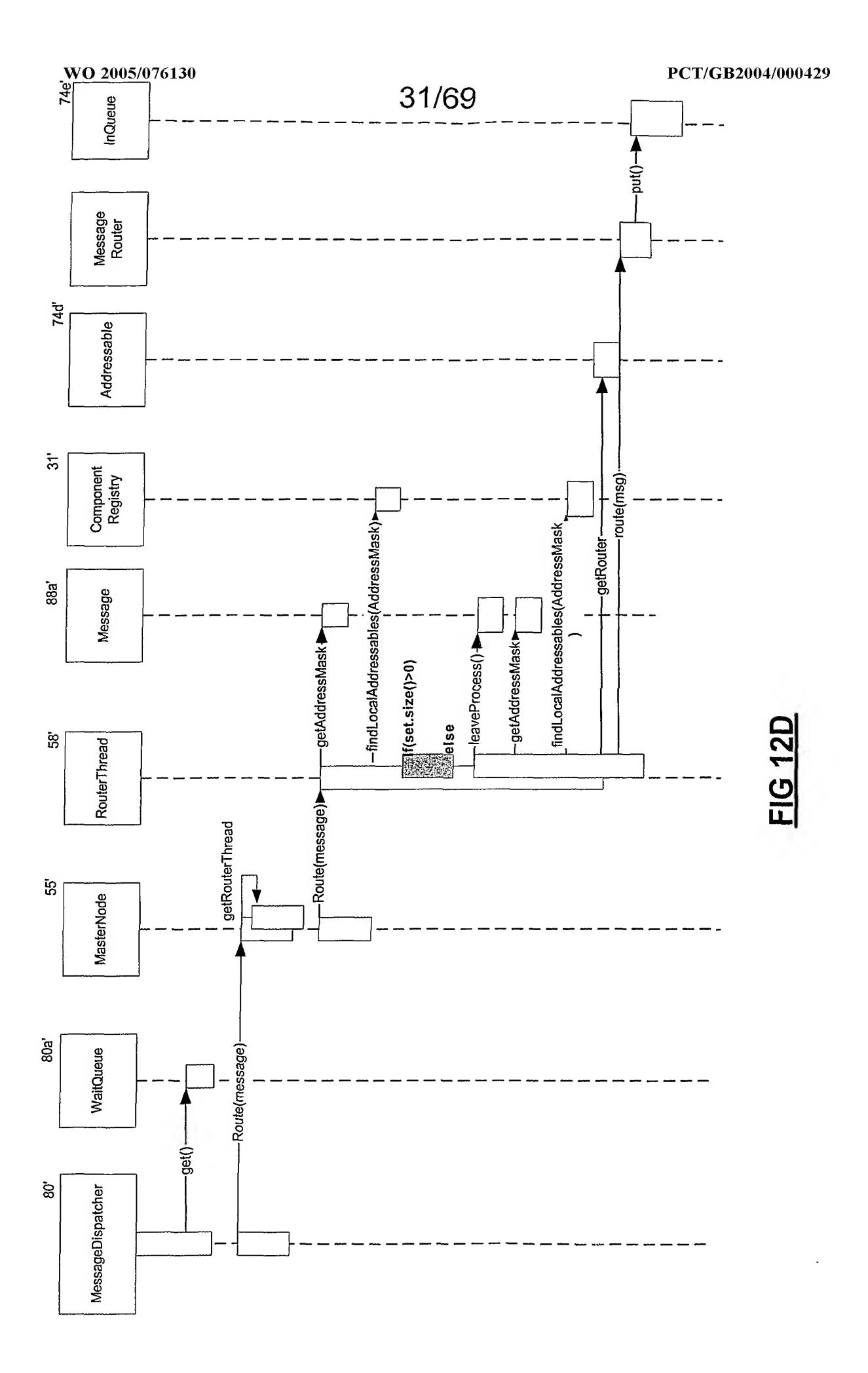
27/69



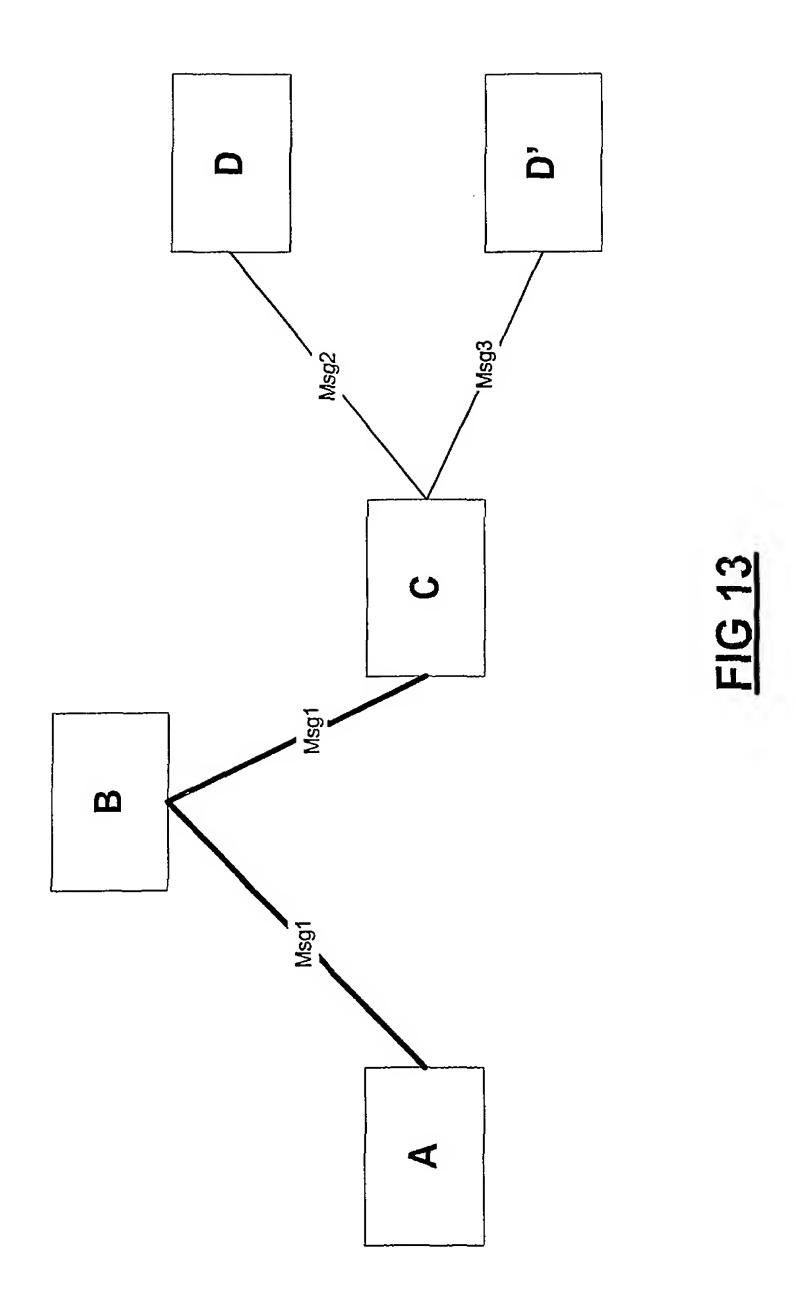




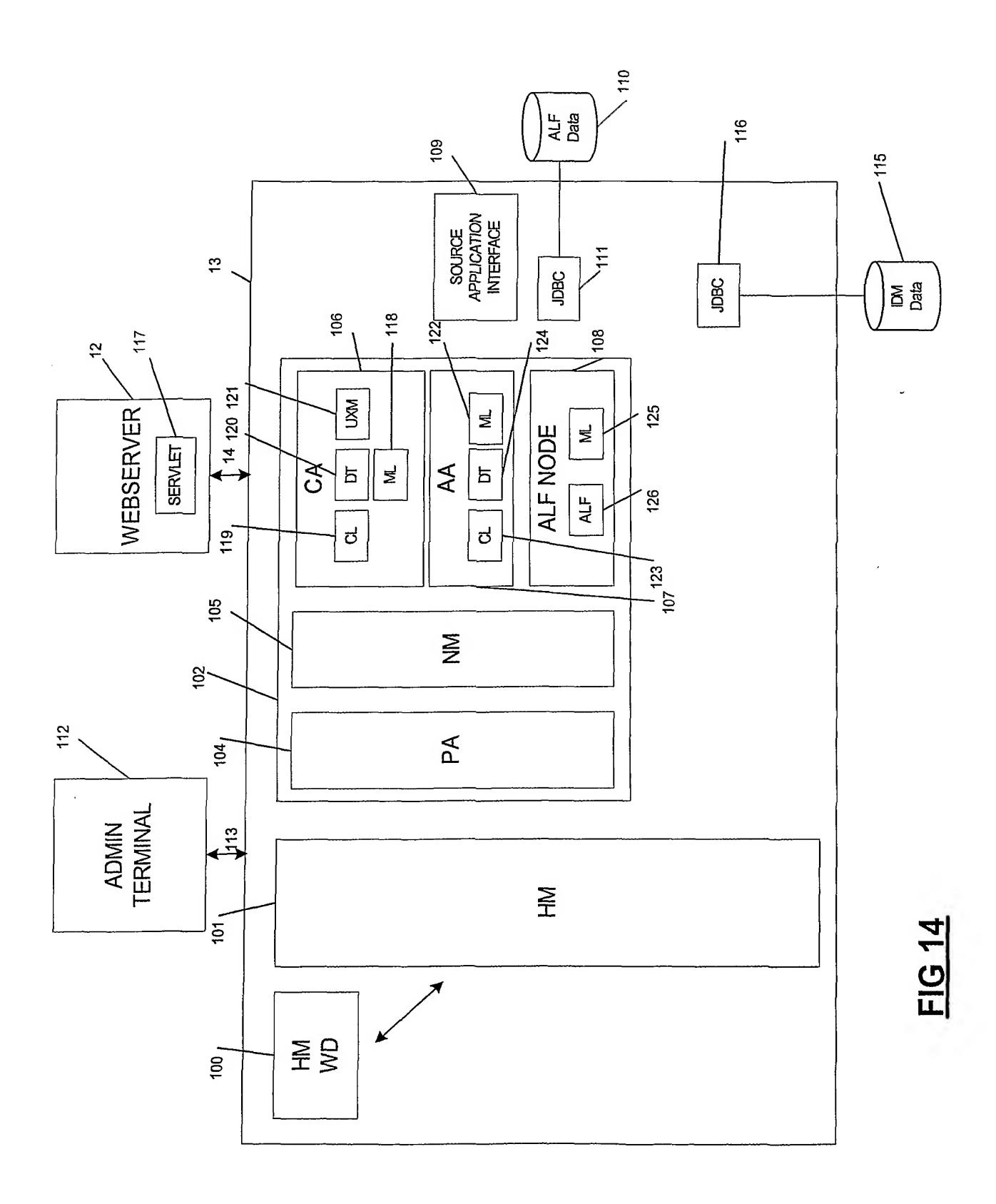


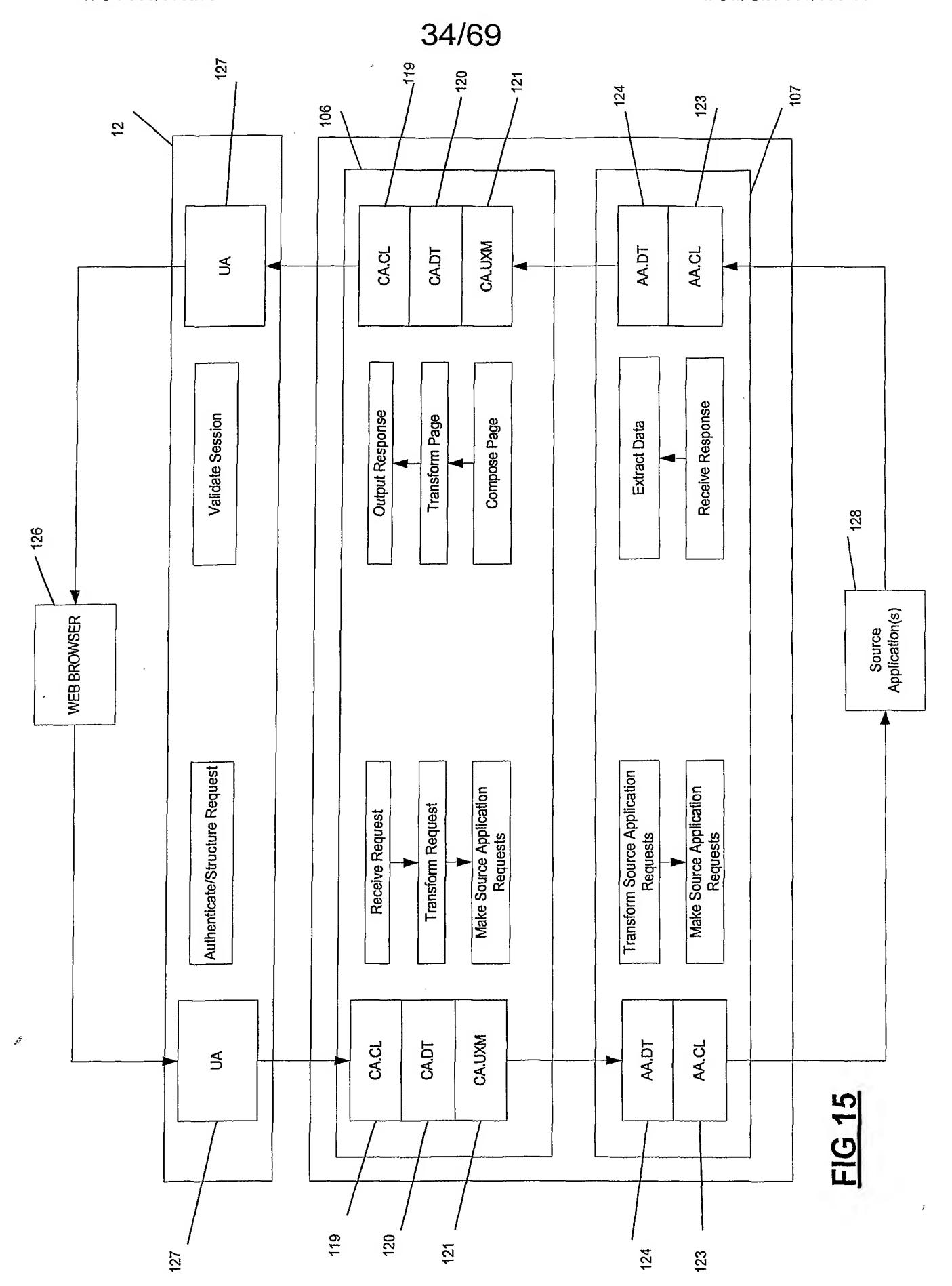


32/69



33/69





35/69

Parameter	Req.	Type	Values	Notes
g2jms.config	Υ	Str		File containing the jms configuration properties for the Listener e.g. g2jms.config=c:\conf\jms.properties
g2listener	Y	Str		This is the name of the node under the UAconfigs node in the IDM containing the listener configuration. e.g. g2listener=weblistener
g2config.instance	Y	Str		Node in the IDM that has an instance definition for the Composite Application. [shouldn't be necessary but is in current release e.g. g2config.instance=googleweb
g2config.home	Y	Str		Directory containing the IDM properties file for the Composer/Listener. This has to point to a directory containing the file rather than the file. e.g. g2config.home=c:\GCP\2.3.0\conf
g2tracer.conf	Y	Str		File containing the logger configuration for the Listener. e.g. g2tracer.conf=c:\conf\listenerlog.conf

FIG 16

Parameter	Reg.	Type	Values	Notes
G2config.home	Y	Str		Directory containing the IDM properties file for the Composer/Listener. This has to point to a directory containing the 'IDM.properties' file rather than the file itself e.g. g2config.home=c:\GCP2.3.0\conf
g2config.instance	Y	Str		Node in the IDM that has an instance definition for the Composite Application. e.g. g2config.instance≈googleweb
g2config.webhost	Y	Str		Host-name (or IP address) and port, of the Web Server used with the Listener. Used to rewrite the pages served up through the composer to point back to the listener. e.g. g2config.webhost≈192.168.1.229:80
g2config.baseipport	Υ	Str		Specify the Admin console port e.g. g2config.baseipport=8080
g2jms.config	Y	Str		File containing the jms configuration properties for the Composer e.g. g2jms.config=c:\conf\jms.properties
g2basetracer.conf	Υ	Str		File name containing the logger configuration(s) for the Listener – it will look for a file per process so there needs to be at least a '0' and a '1' log file. e.g. g2tracer.conf=c:\conf\composerlog.conf

FIG 17

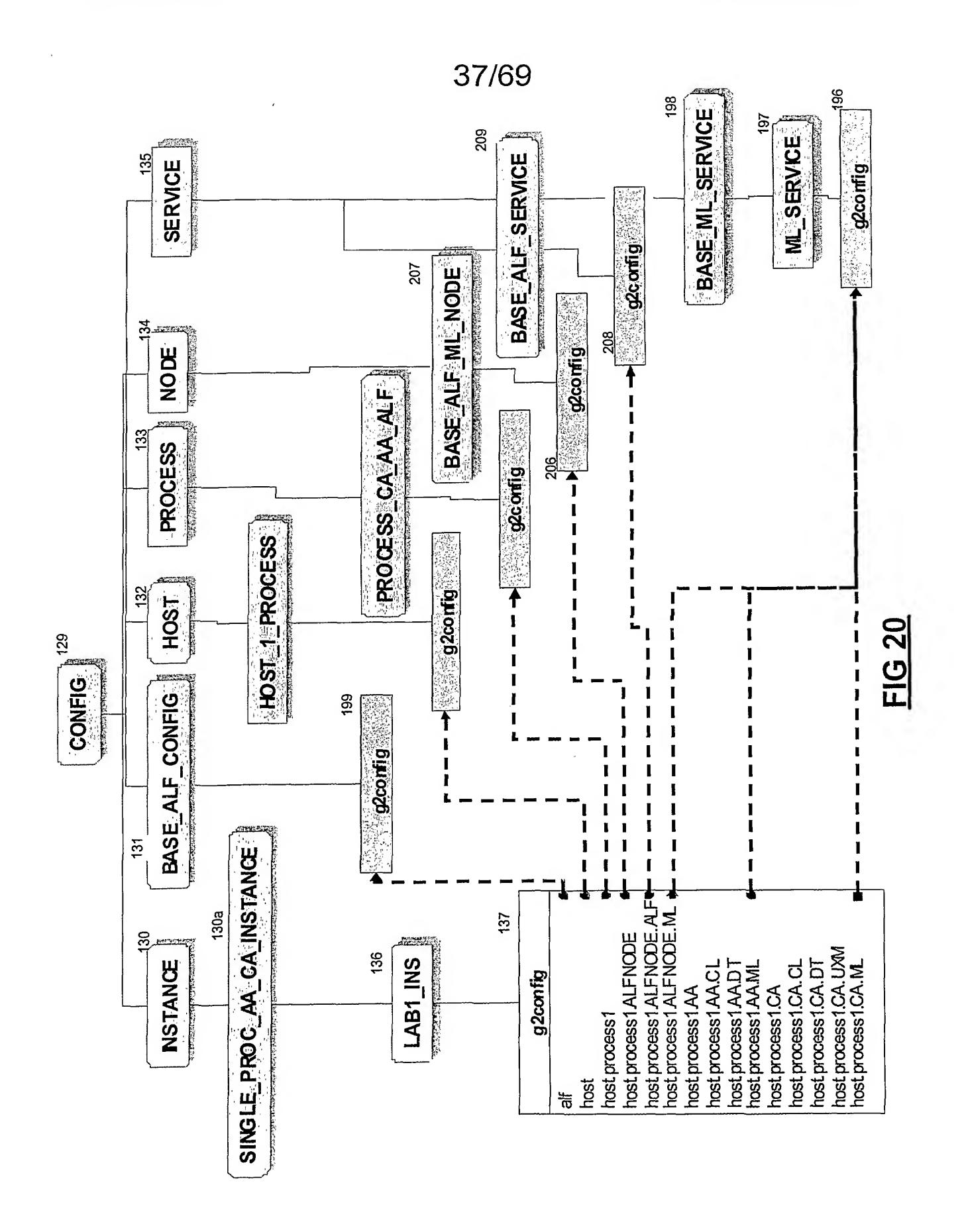
36/69

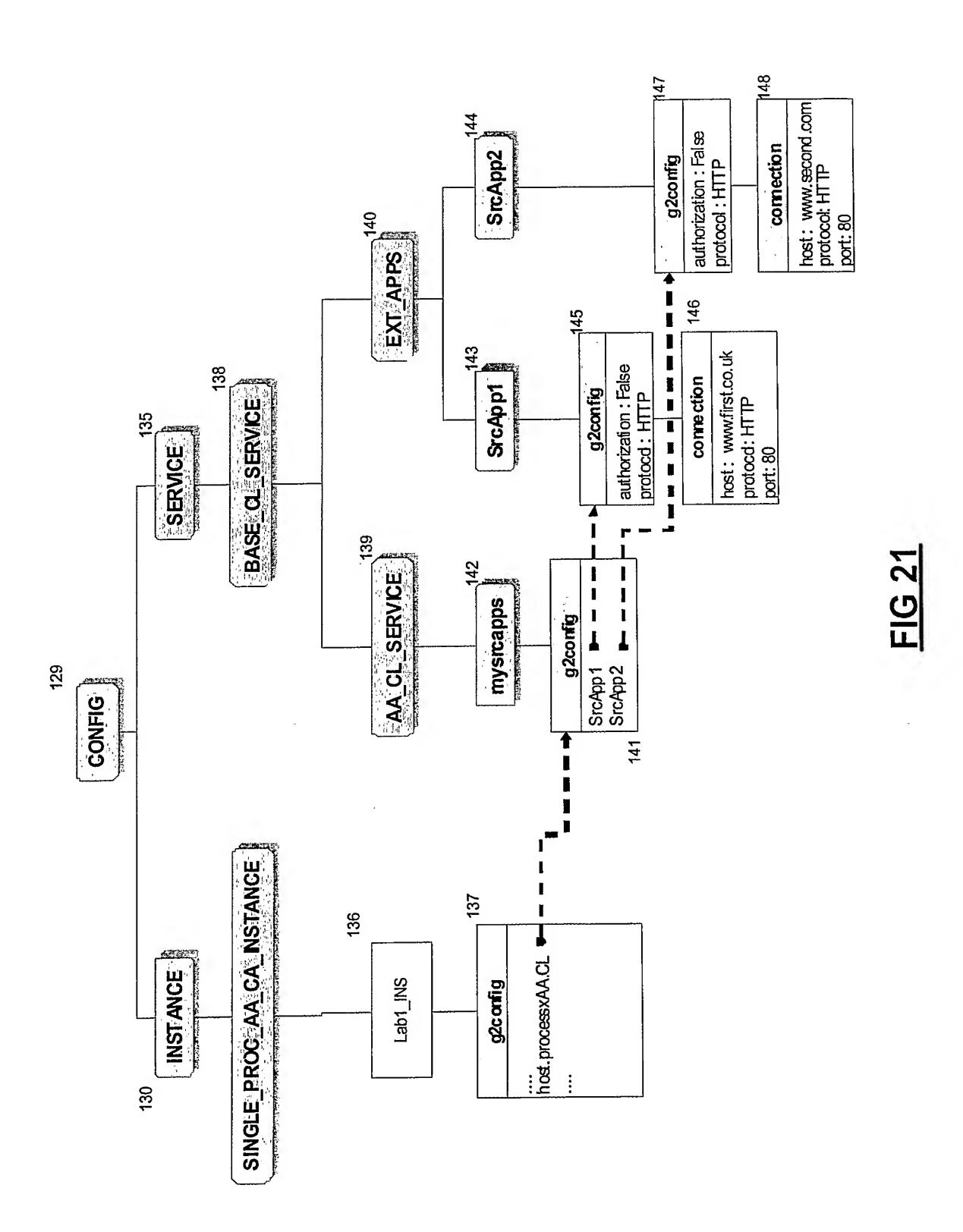
Name	Req.	Type	Values	Notes
APPLICATION_C	Y	Str		message that will be generated. This is the application
LASS				class name used for the composite application.
UXM_MODIFIED	Y	Str	true/false	Set to true if the request is to be processed by the Composer. If false, then the UXM will not process the request and pass it on to the AA (pass through applications)
UXM_TREEID	Υ	Str		The 'id' (from the control data-group) of the TreeRootNode targeted by this request.
UXM_NODEID	Υ	Str		The 'id' (from the control data-group) of the TreeNode (within the hierarchy defined by UXM_TREEID) targeted by this request.

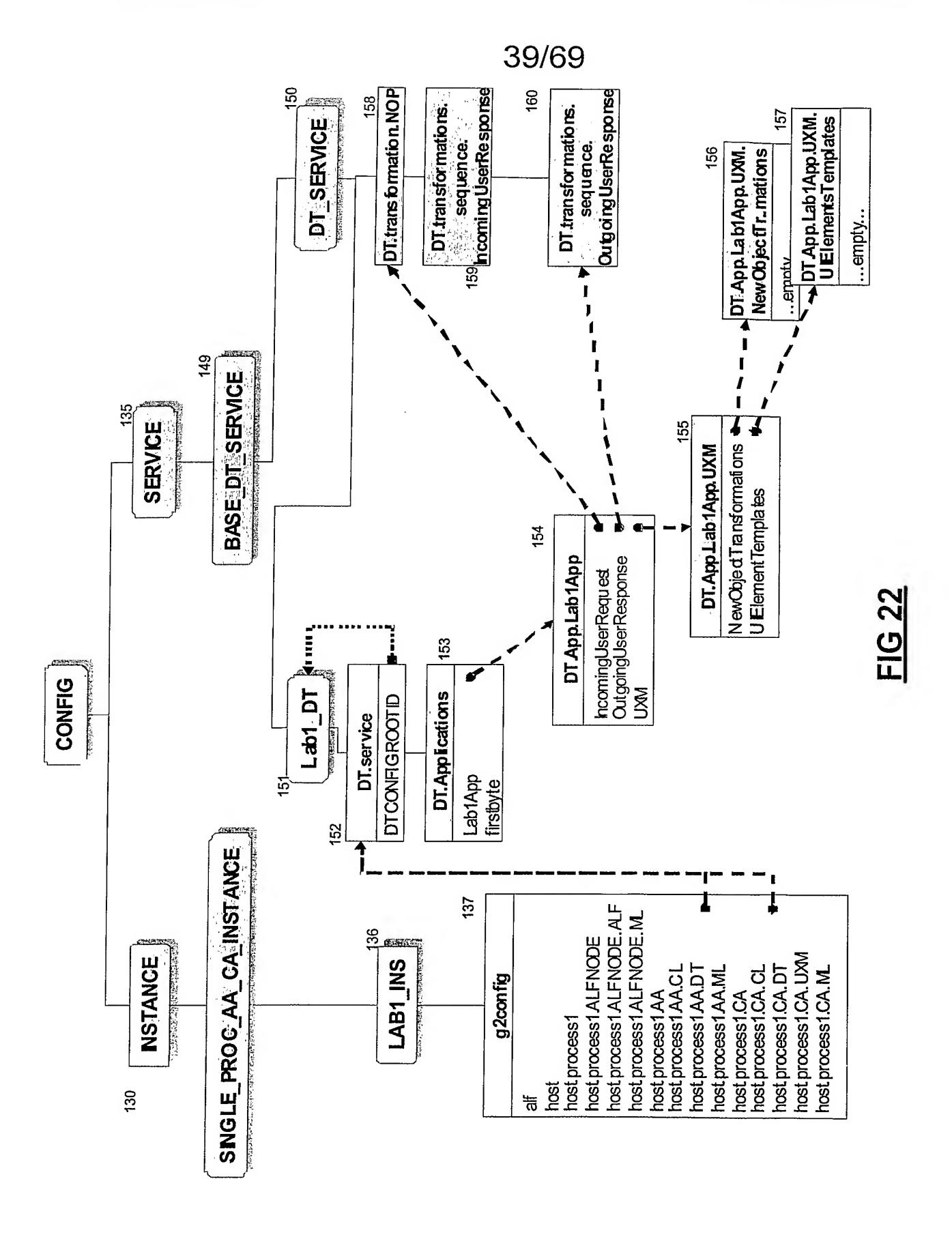
FIG 18

```
hm.g2config.baselpport=9080
hm,rmiport=1299
hm.g2config.webhost=10.230.226.162
hm.g2config.instance=Mylnstance
hm:g2jms.config=/usr/genient/composer/conf/jms.properties
hm.g2tracer.conf=/usr/genient/composer/conf/composer-log.properties
pa.x.Xms512m
pa.x.Xmx512m
pa.x:XX\:NewSize=64m
pa.x.XX\:MaxNewSize=64m
pa.x:XX\:+DisableExplicitGC
pa.x.g2config.webhost=10.230.226.162
pa.x.g2config.home=/usr/genient/composer/conf
pa.x.g2config.instance=Mylnstance
pa.x.g2jms.config=/usr/genient/composer/conf/jms.properties
pa.x.g2tracer.conf=/usr/genient/composer/conf/composer-log.properties:
pa.x.javax.net.ssl.trustStore=/usr/genient/j2re1_3_1_08/lib/security/g2cert
pa.x.javax.net.ssl.keyStoreType=pkcs12
pa.x.javax.net.ssl.keyStorePassword≐thgirwtfos
pa.x.javax.net.ssl.keyStore=/usr/genient/j2re1_3_1_08/lib/security/xF8FF_2_XEG000004.p12
pa.x.java.protocol.handler.pkgs=HTTPClient
```

FIG 19







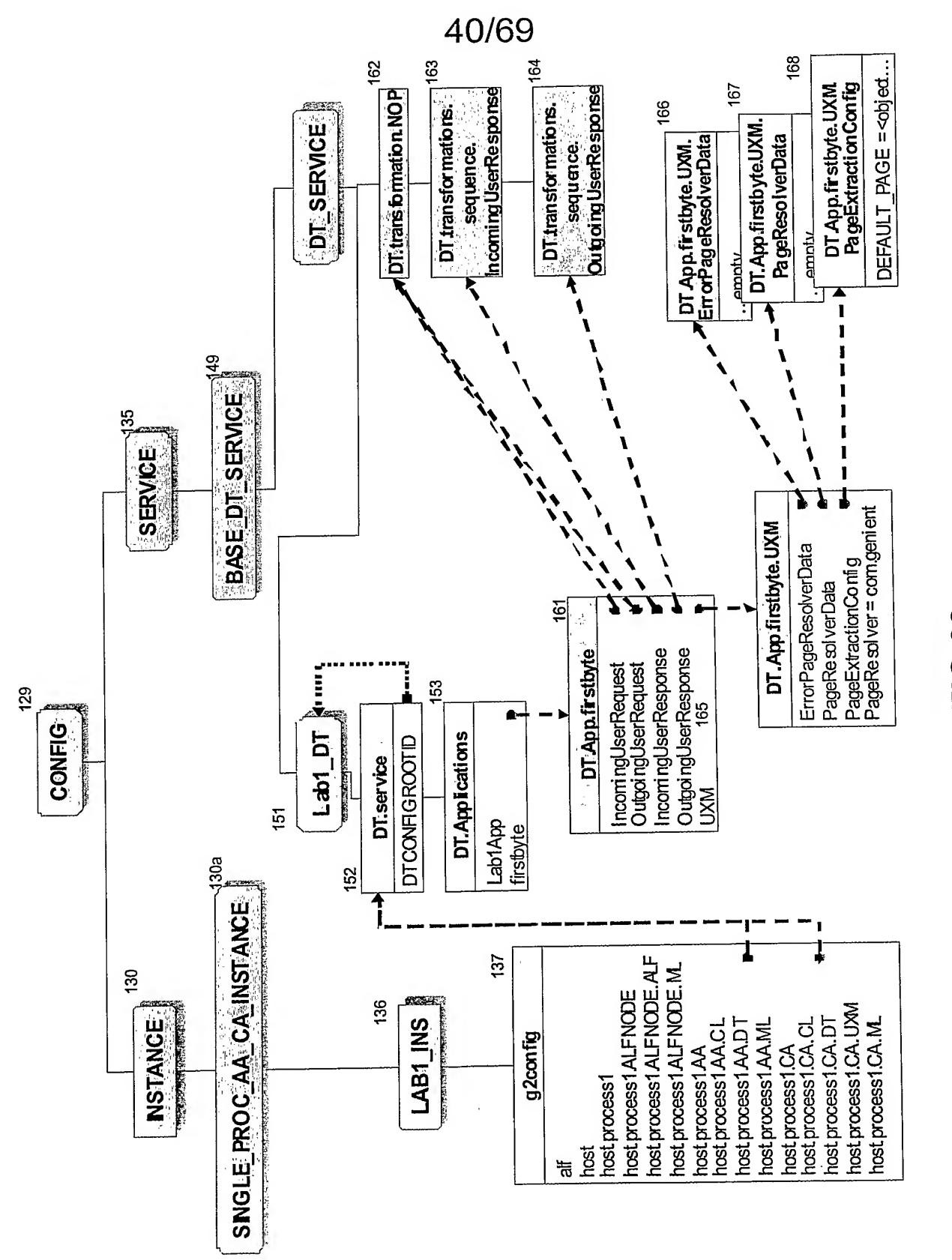
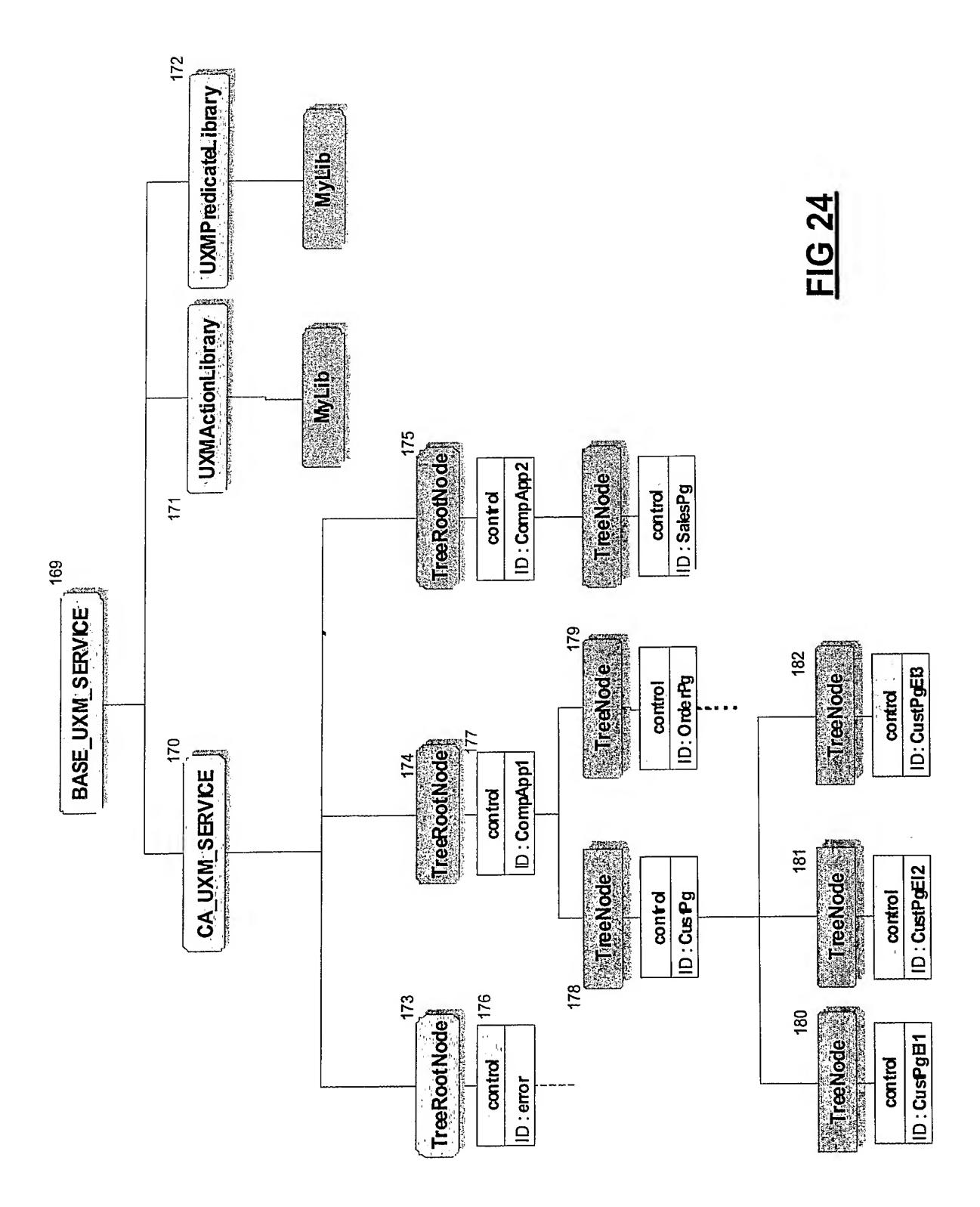
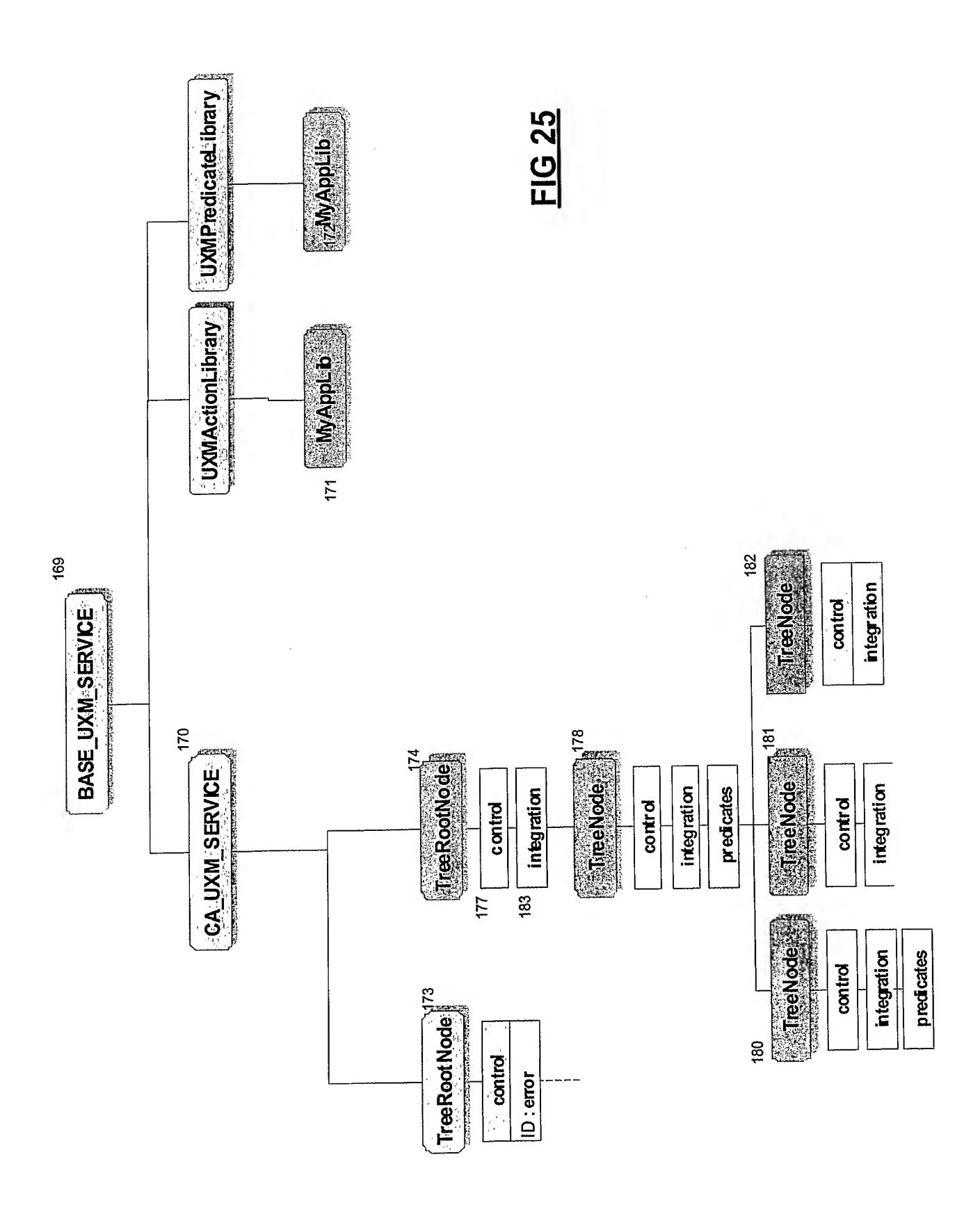


FIG 23

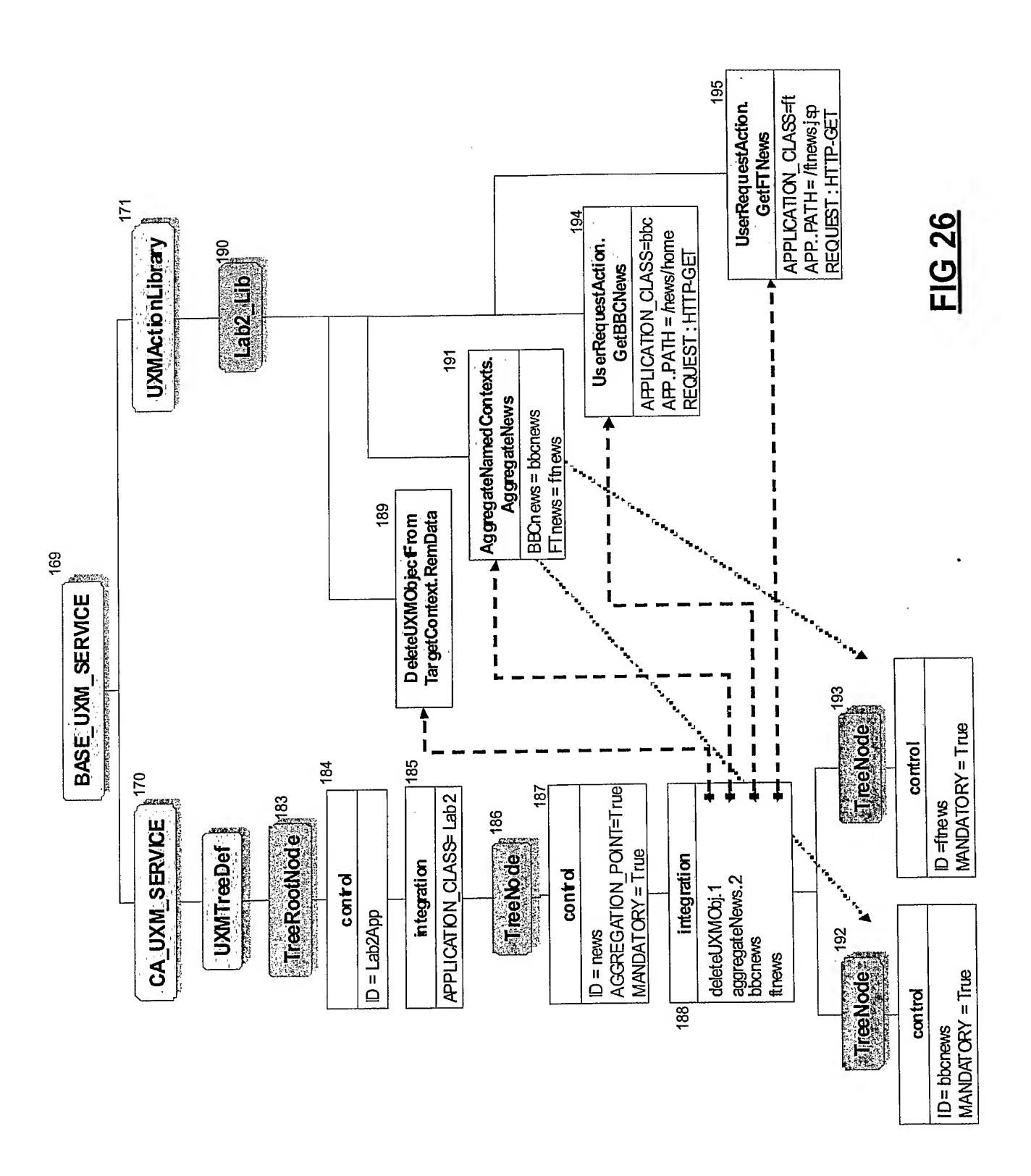
41/69

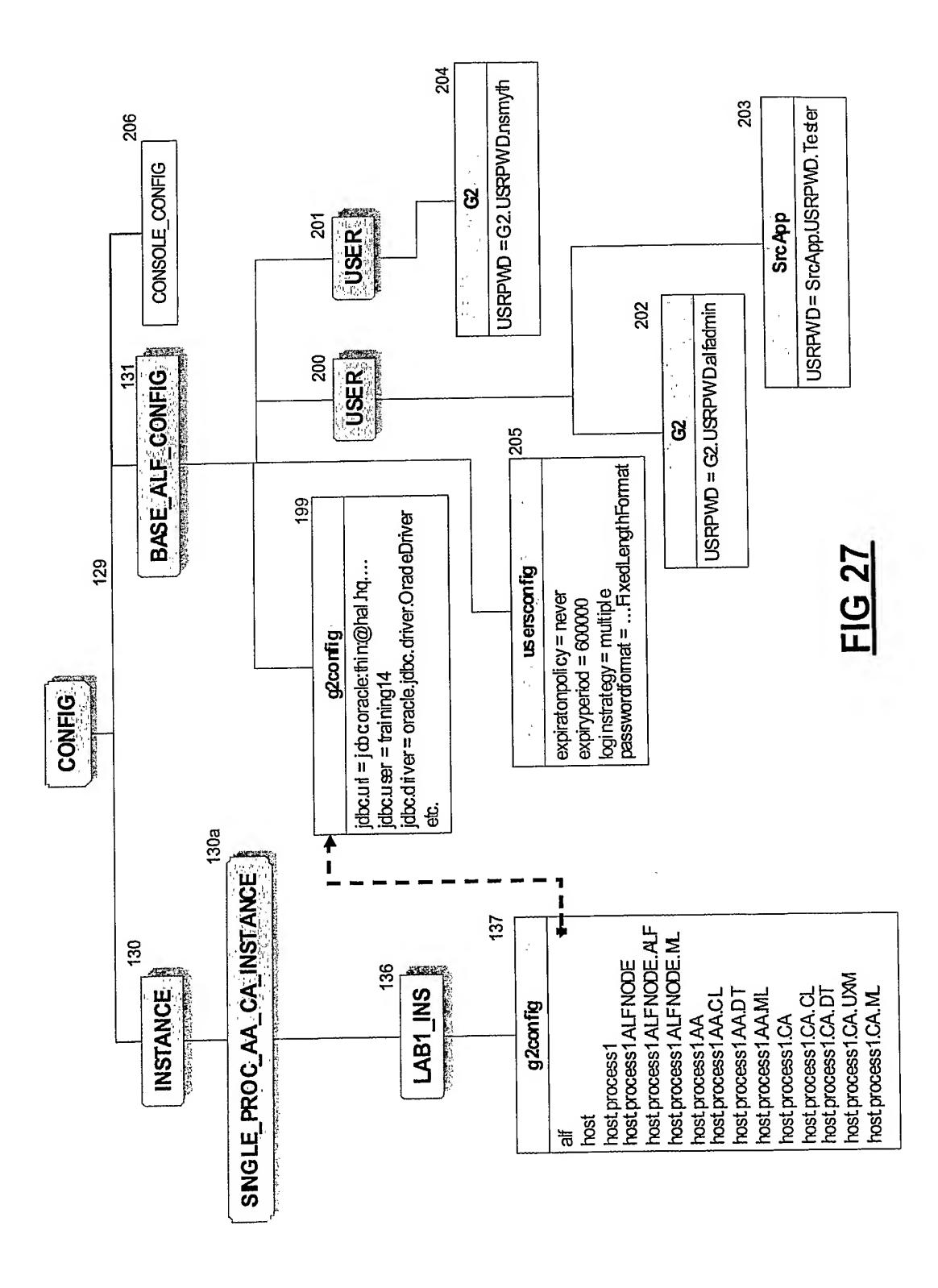


42/69



43/69

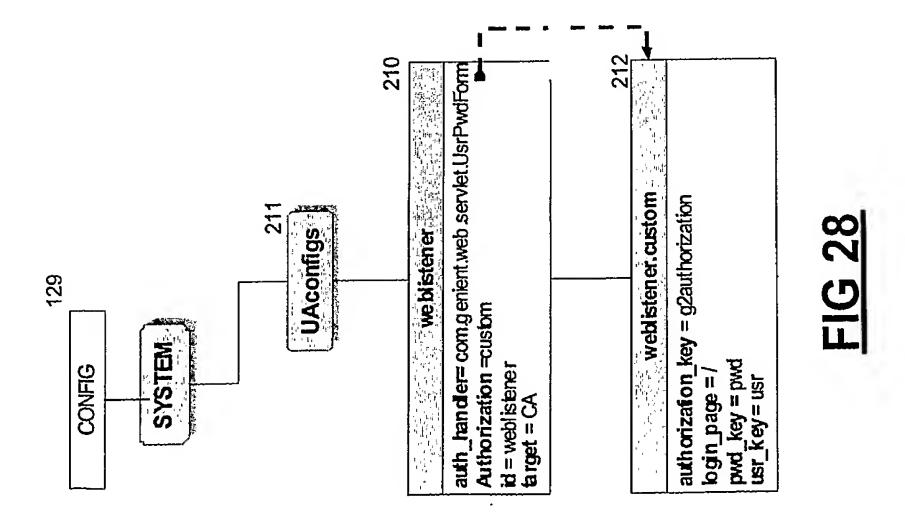


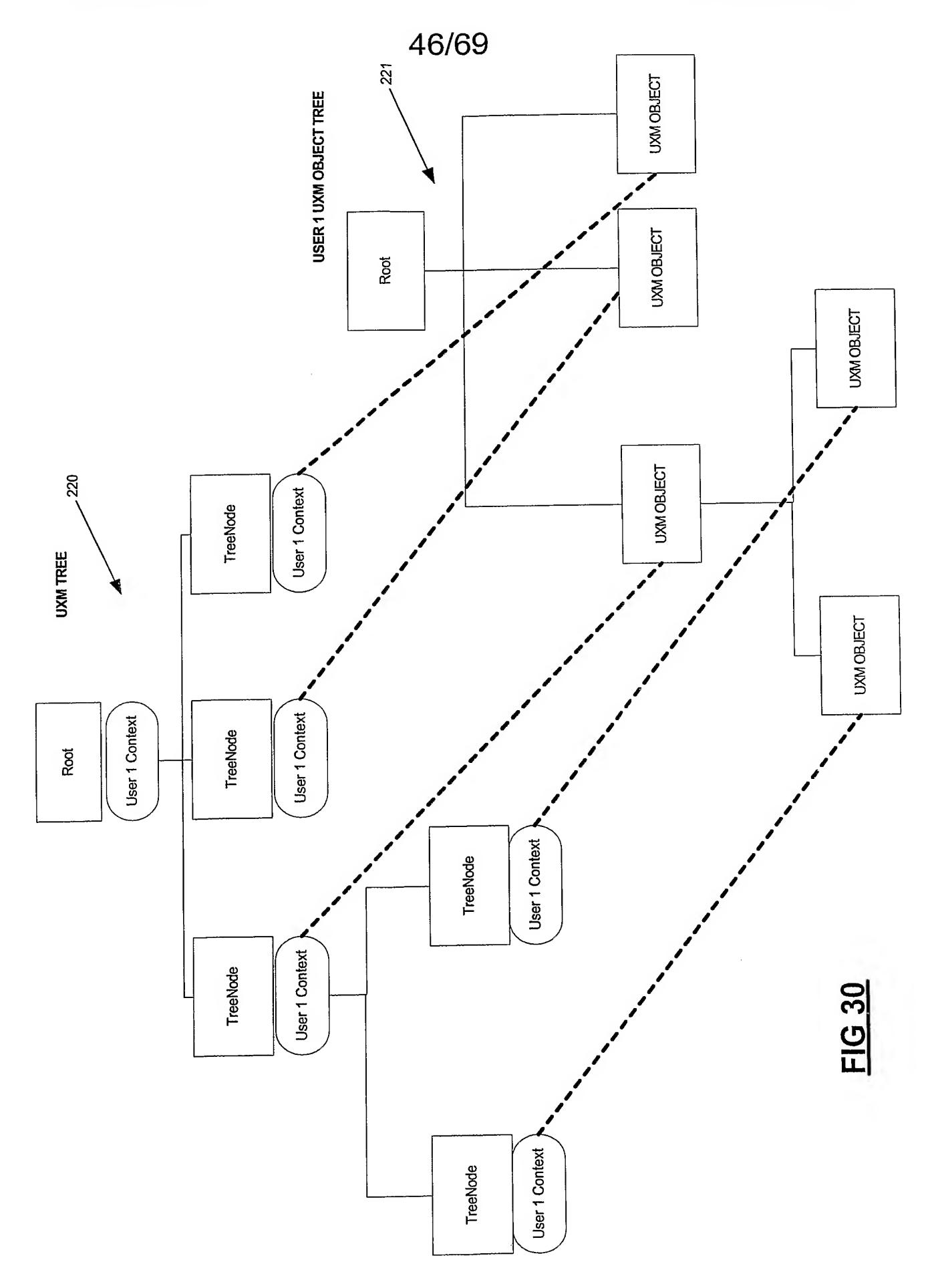


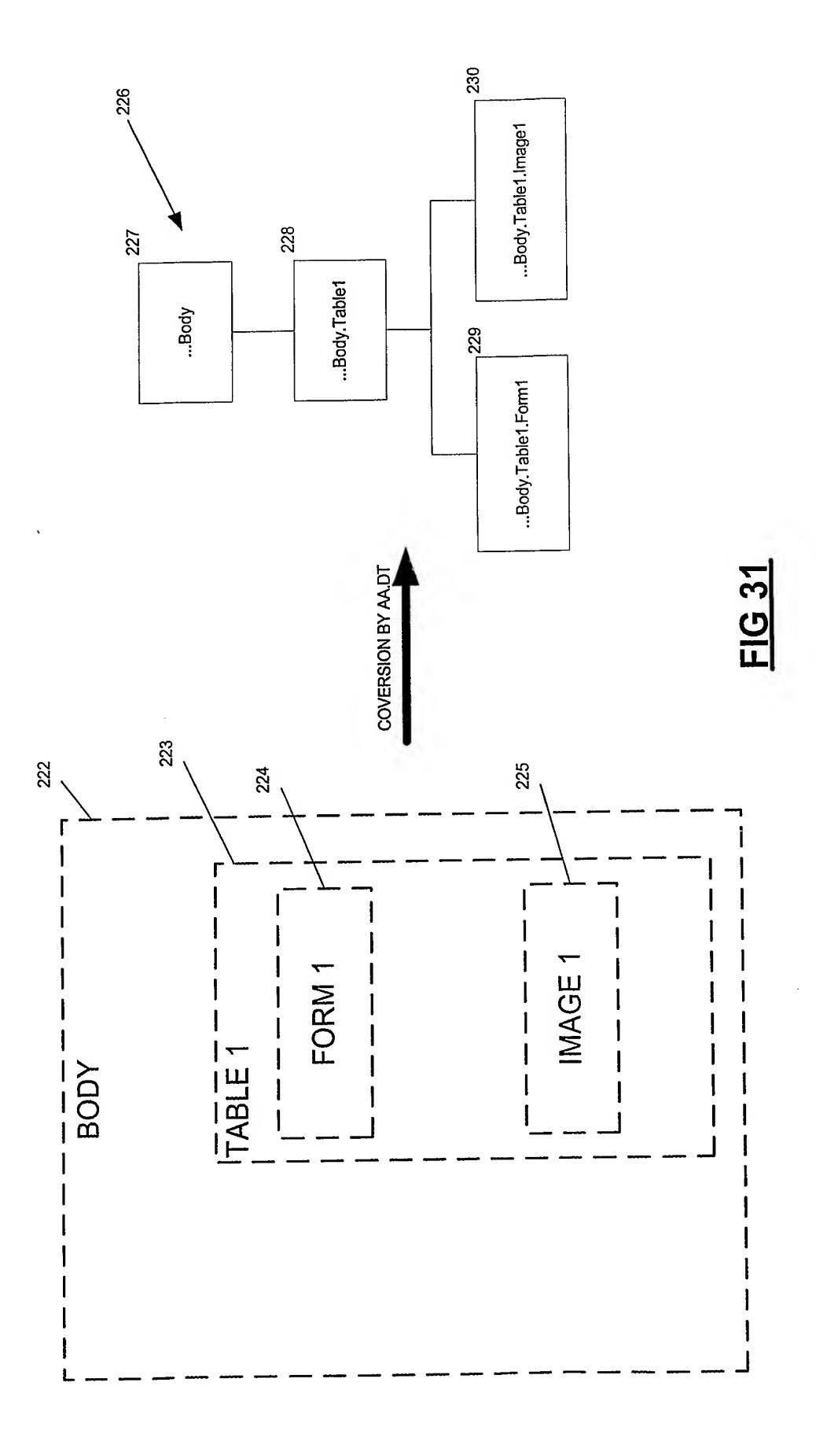
```
[CONFIG]
[SERVICE]
[BASE_CL_SERVICE]
[CA_CL_SERVICE]
[LABI_SrcApps]
<92config> 'GRF} firstbyte =
[FirstByteCRM].g2config

[EXT_APPS]
| FirstByte]
| STR | authorization = false | STR | protocol = http
```

FIG 29







48/69

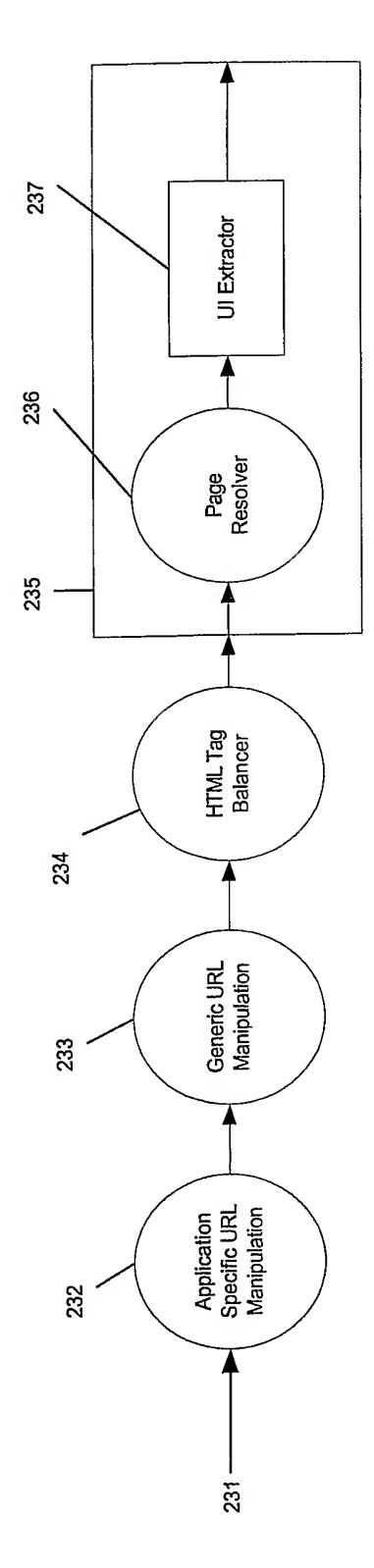
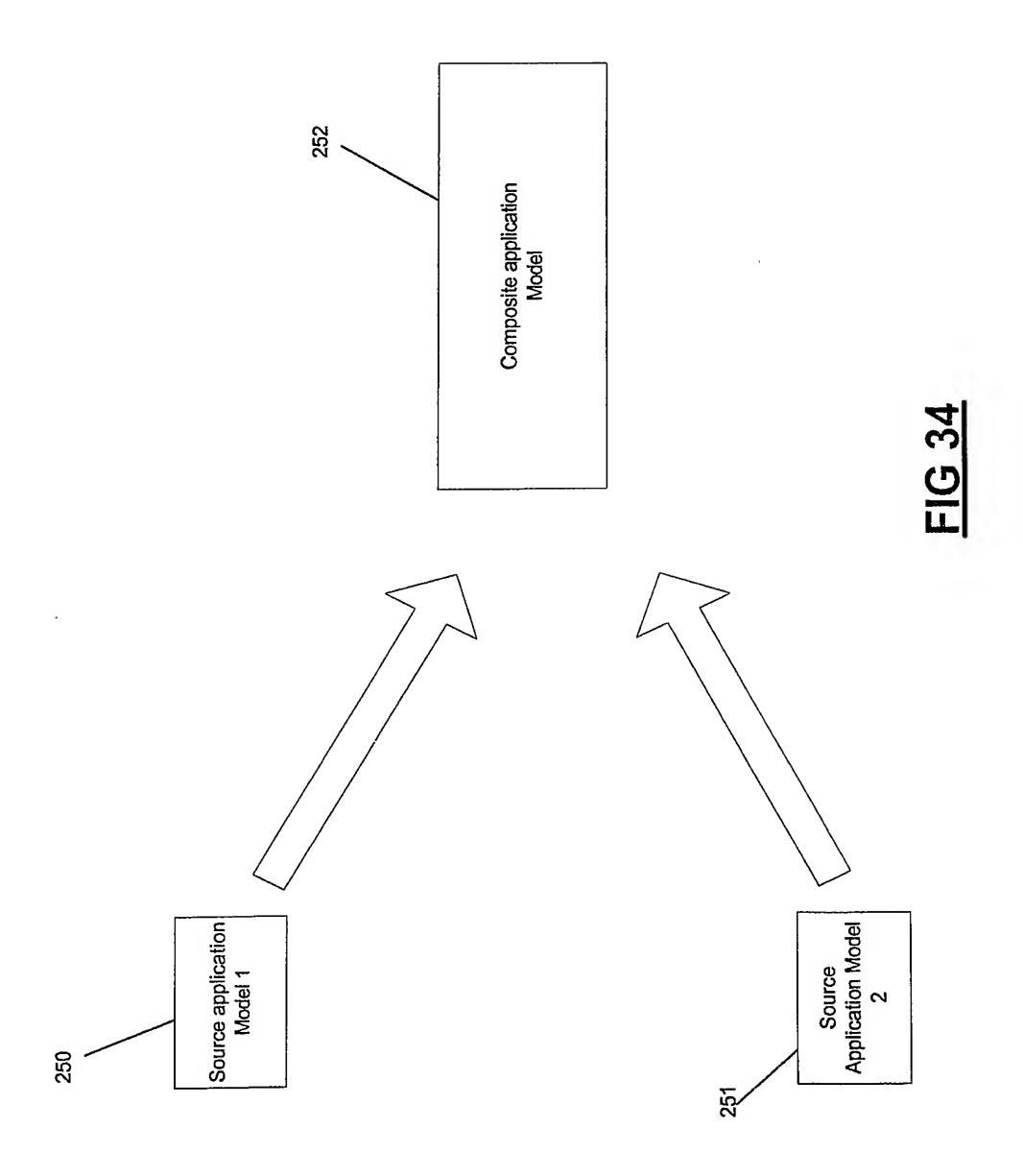


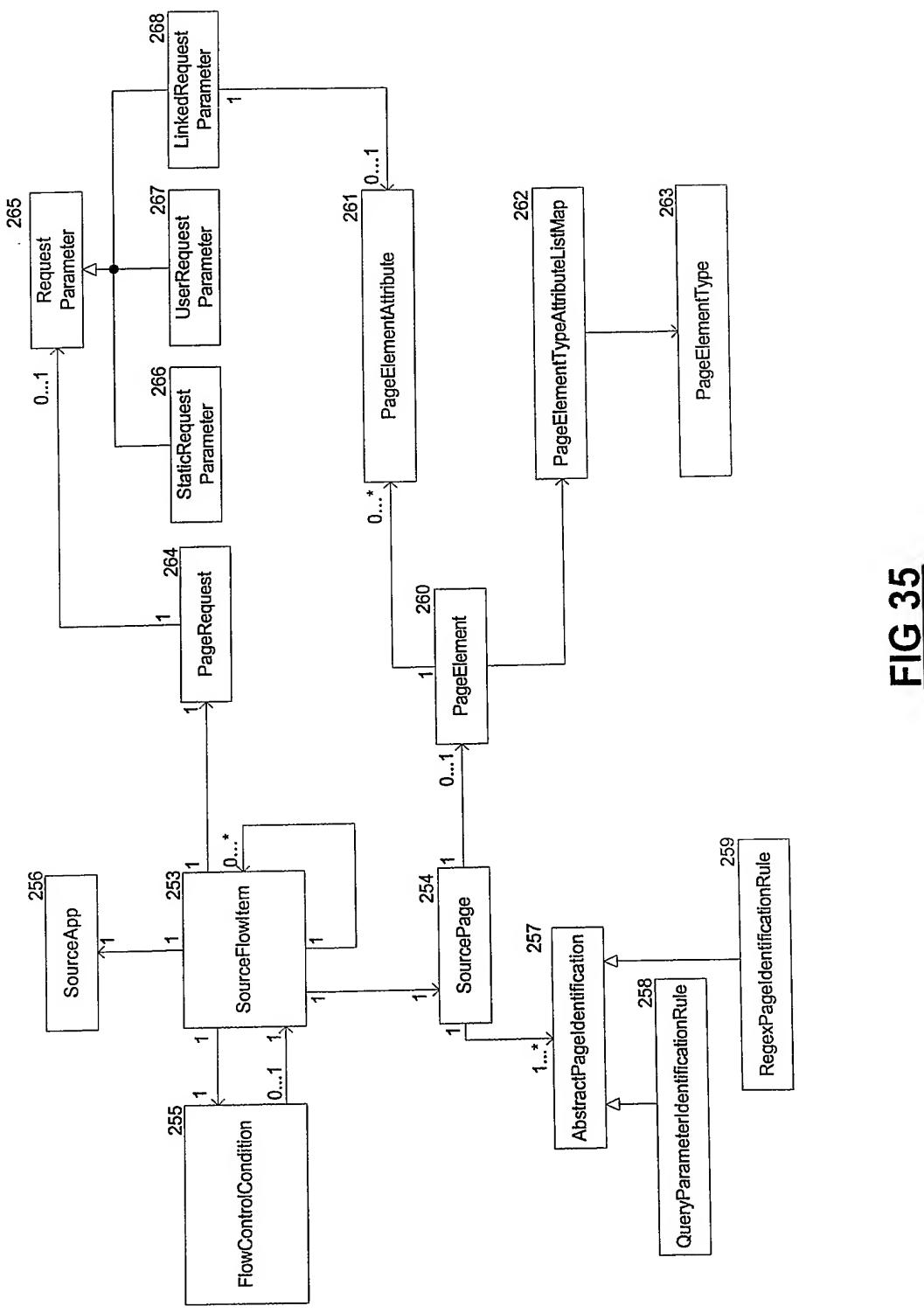
FIG 32

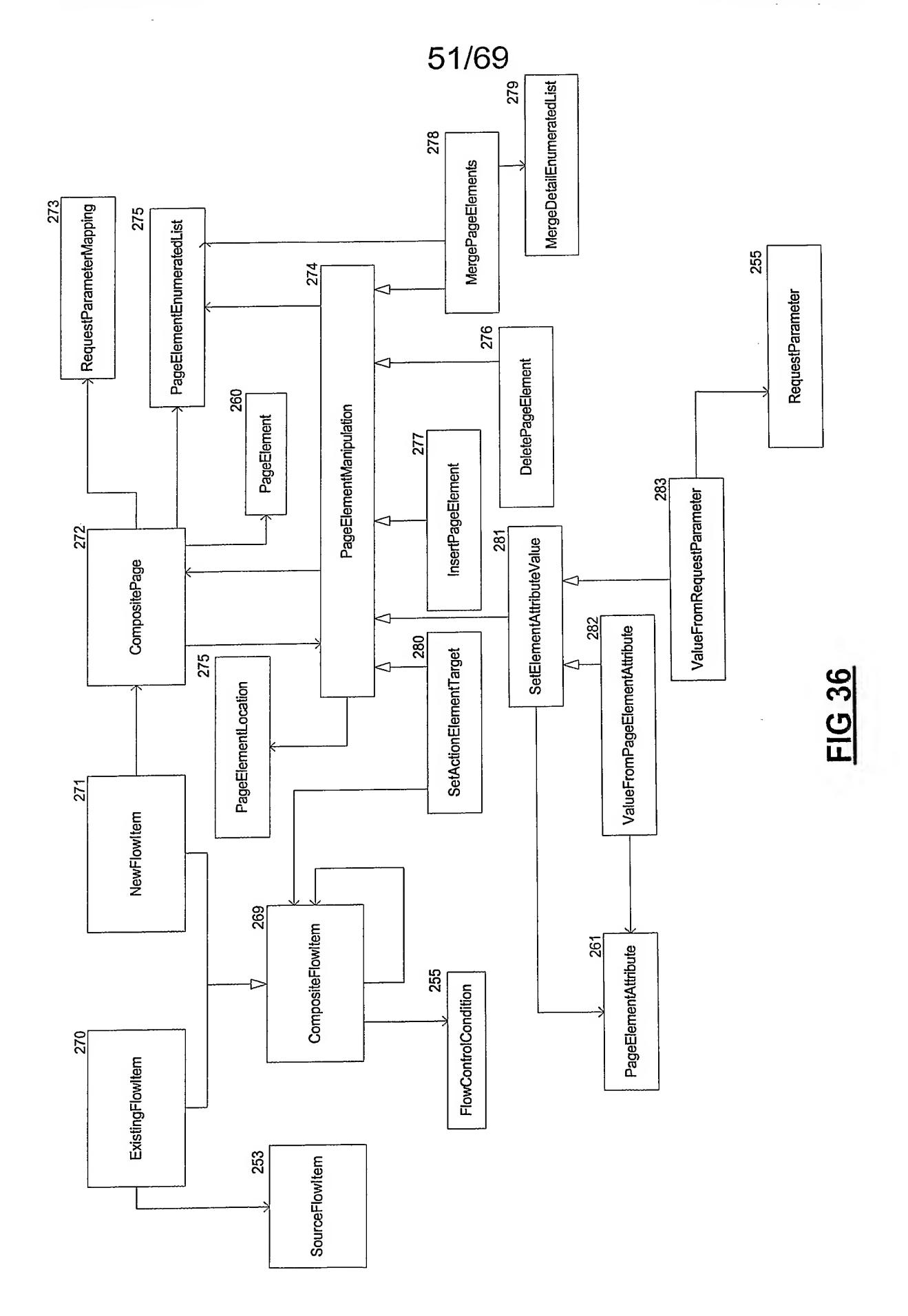
FIG 33

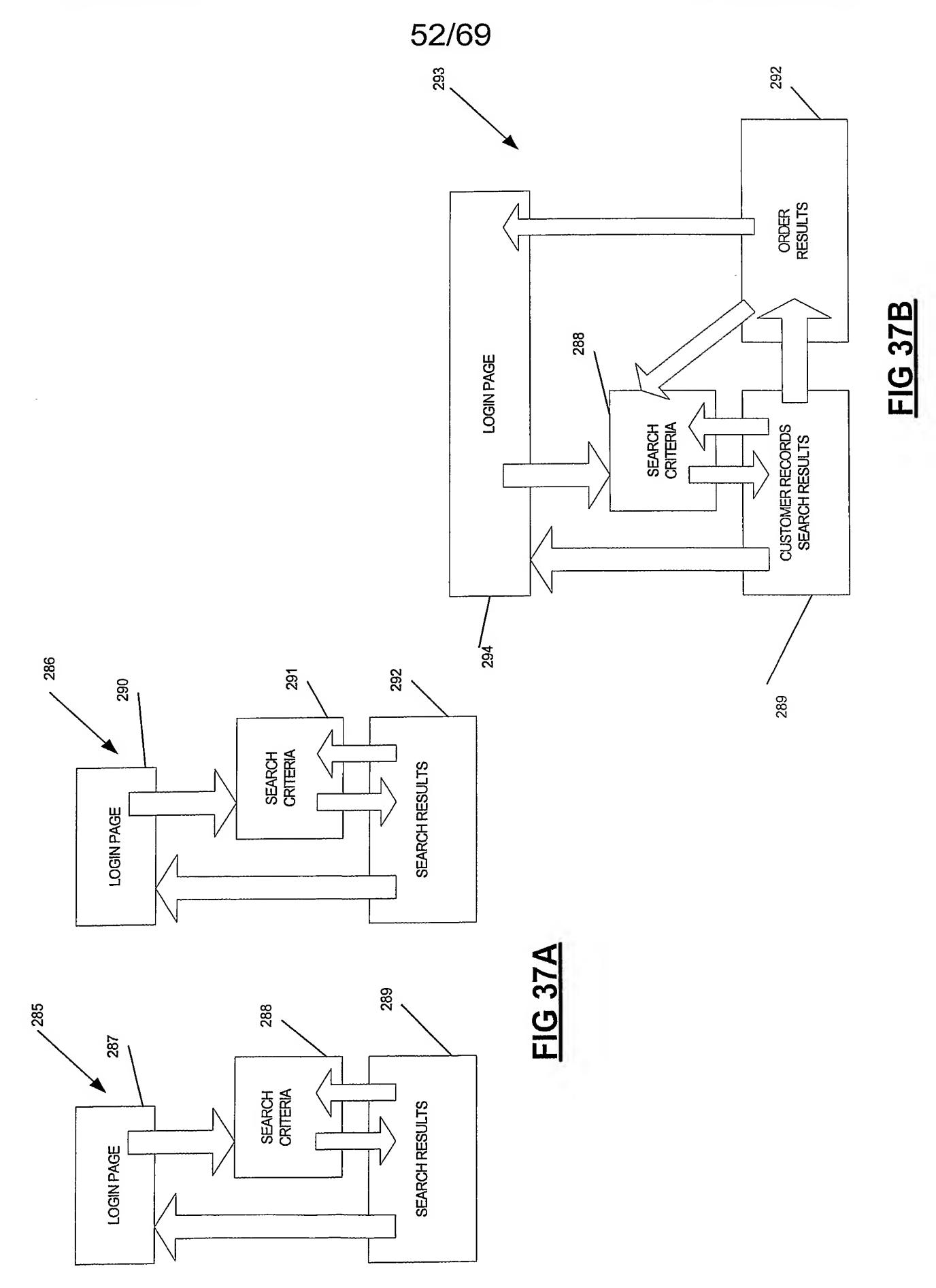
49/69



50/69







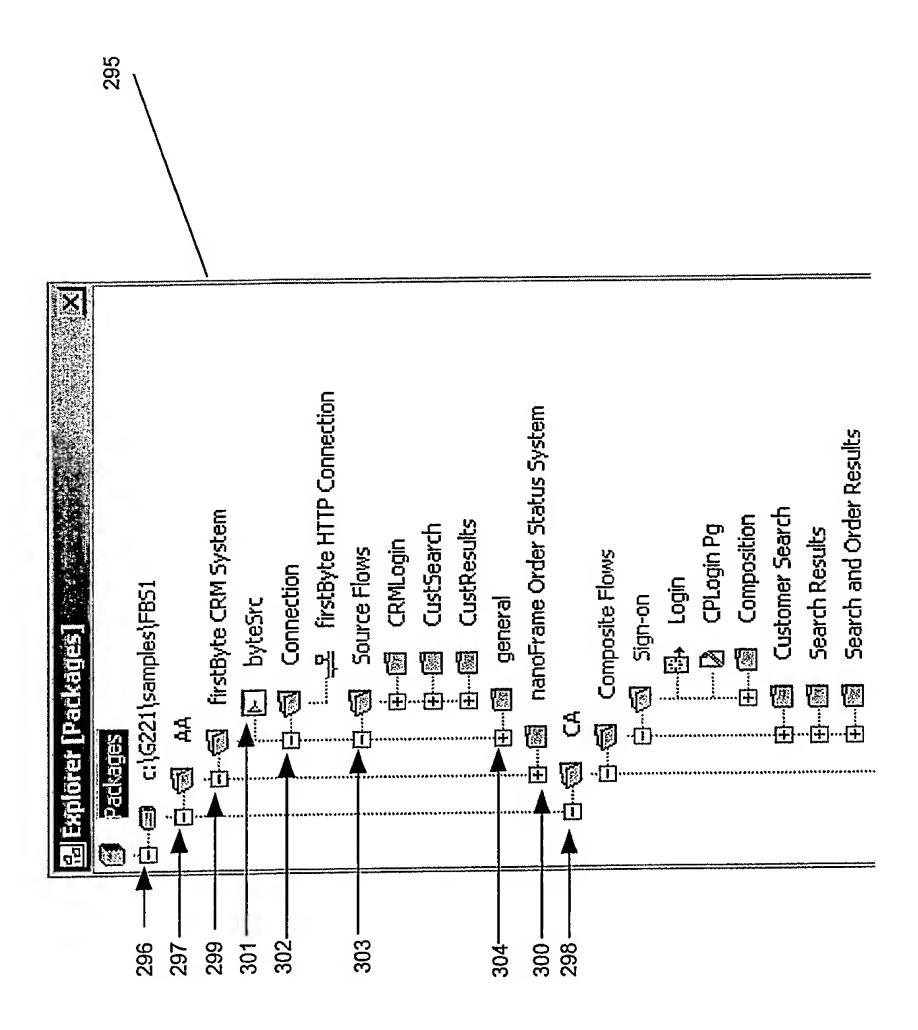
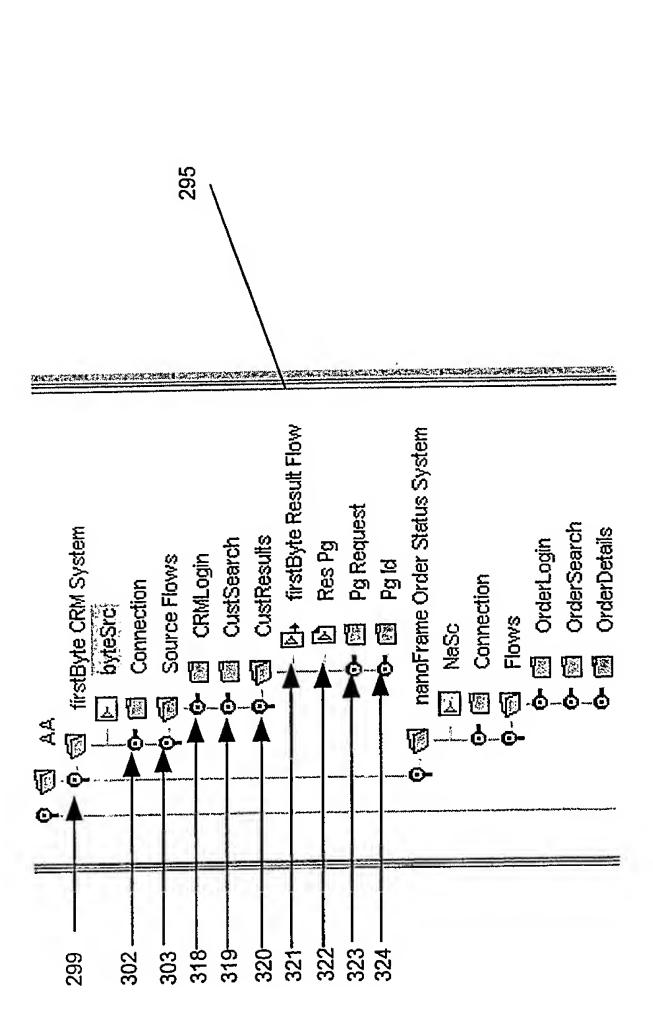


FIG 38

55/69



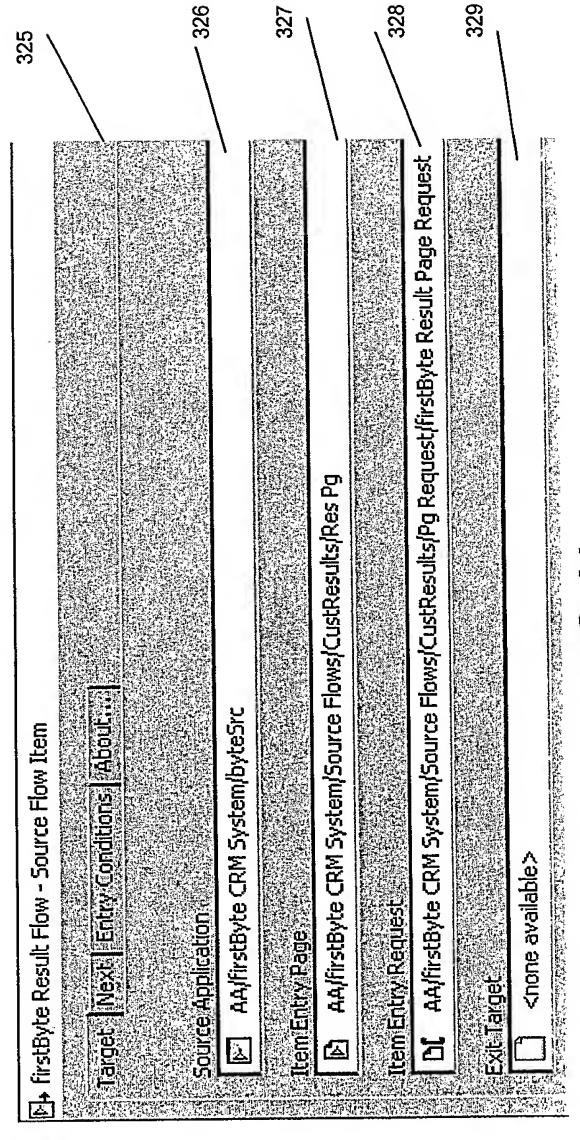


FIG 41

56/69

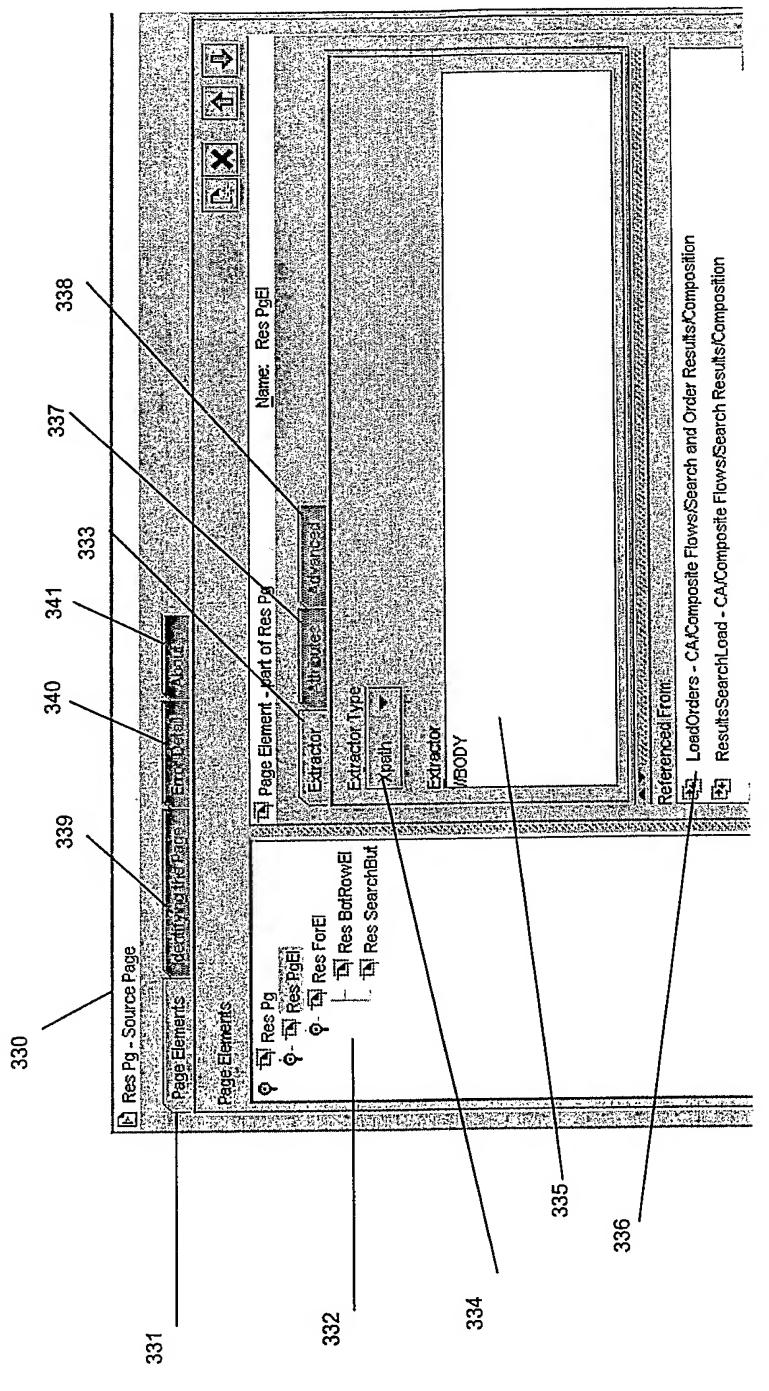
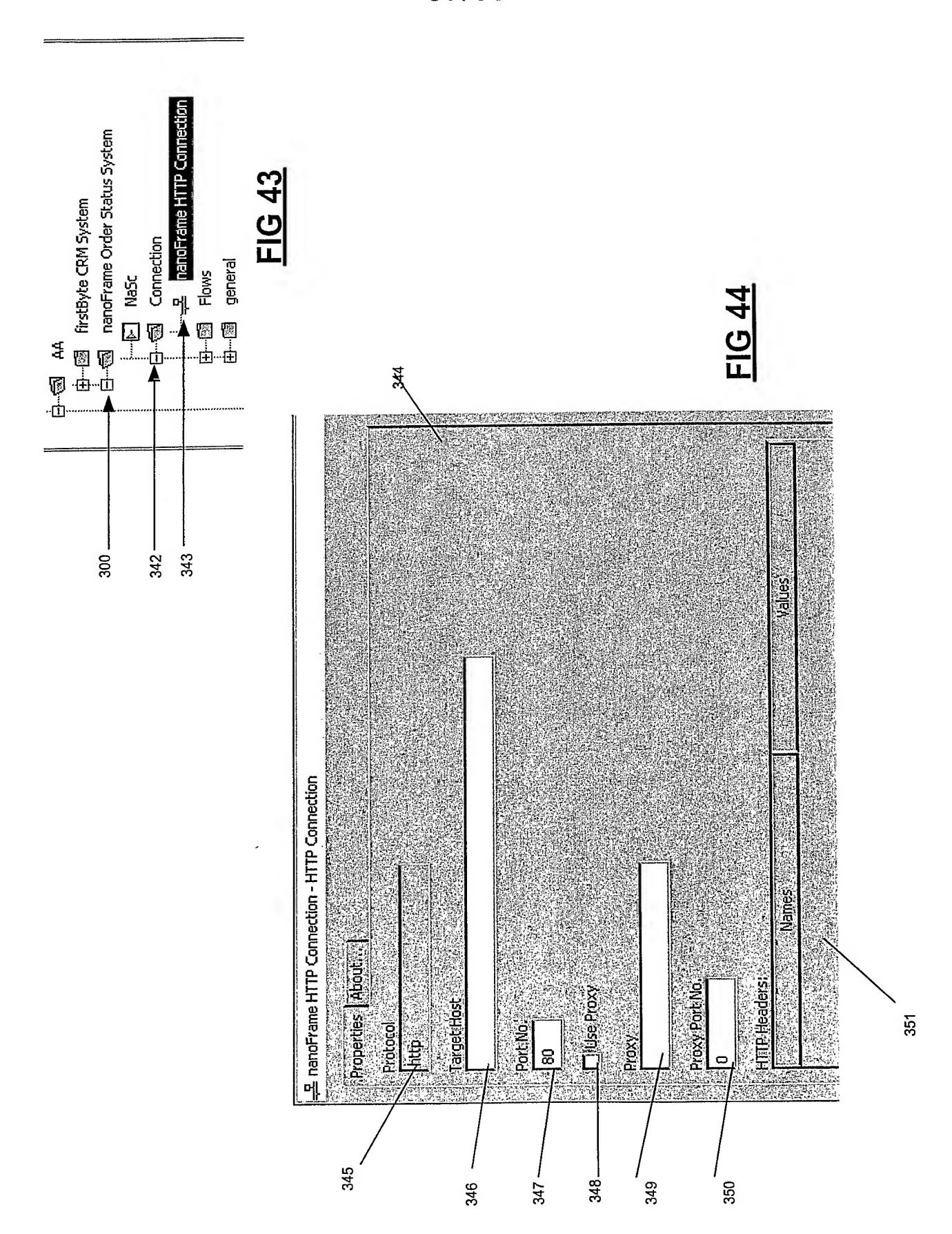
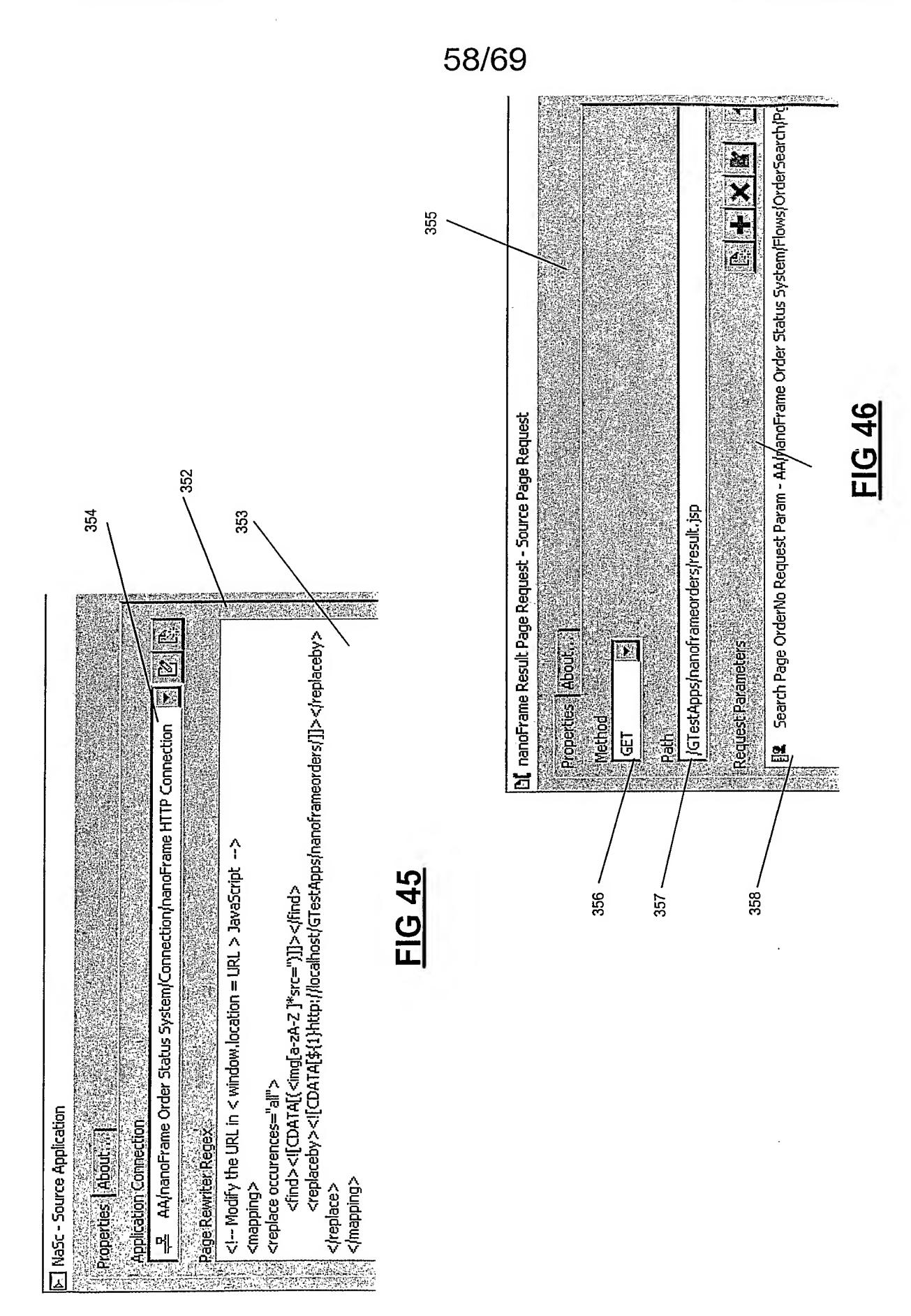
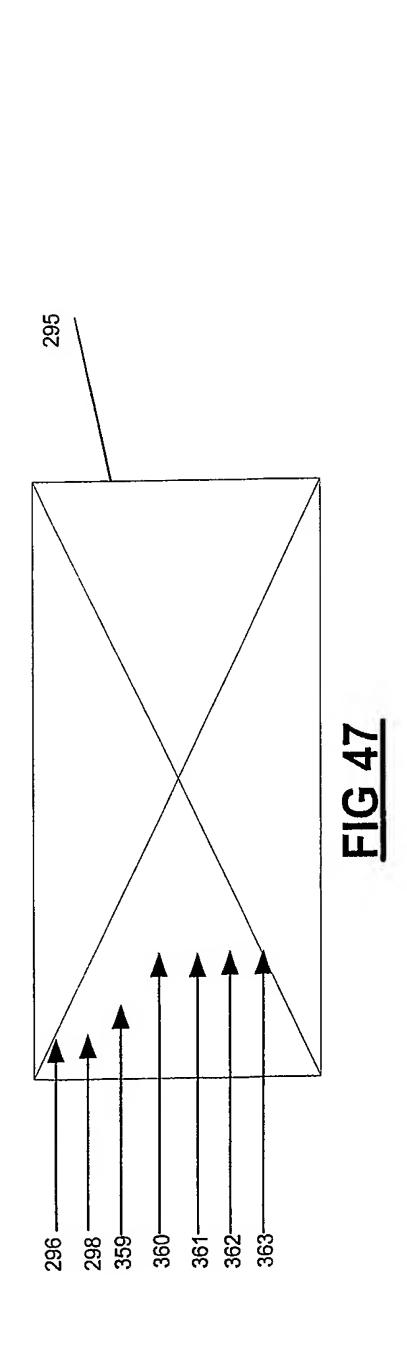


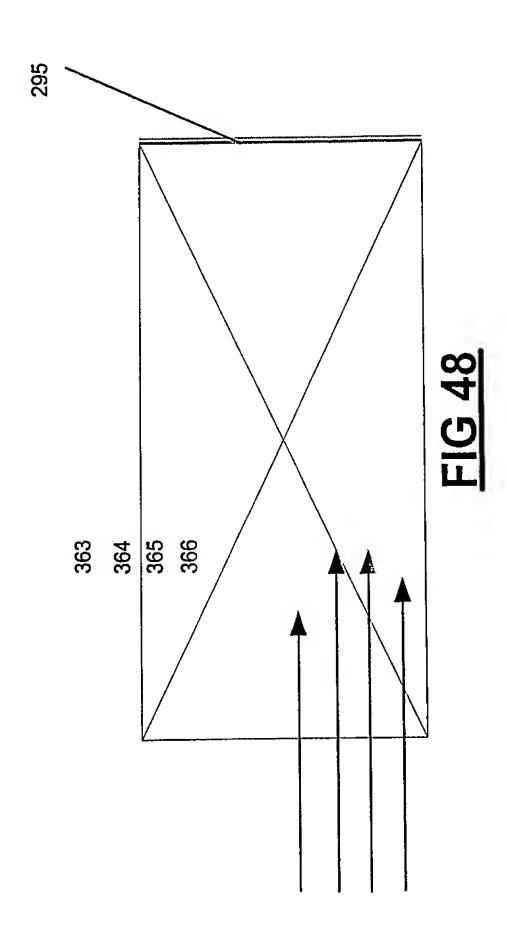
FIG 42



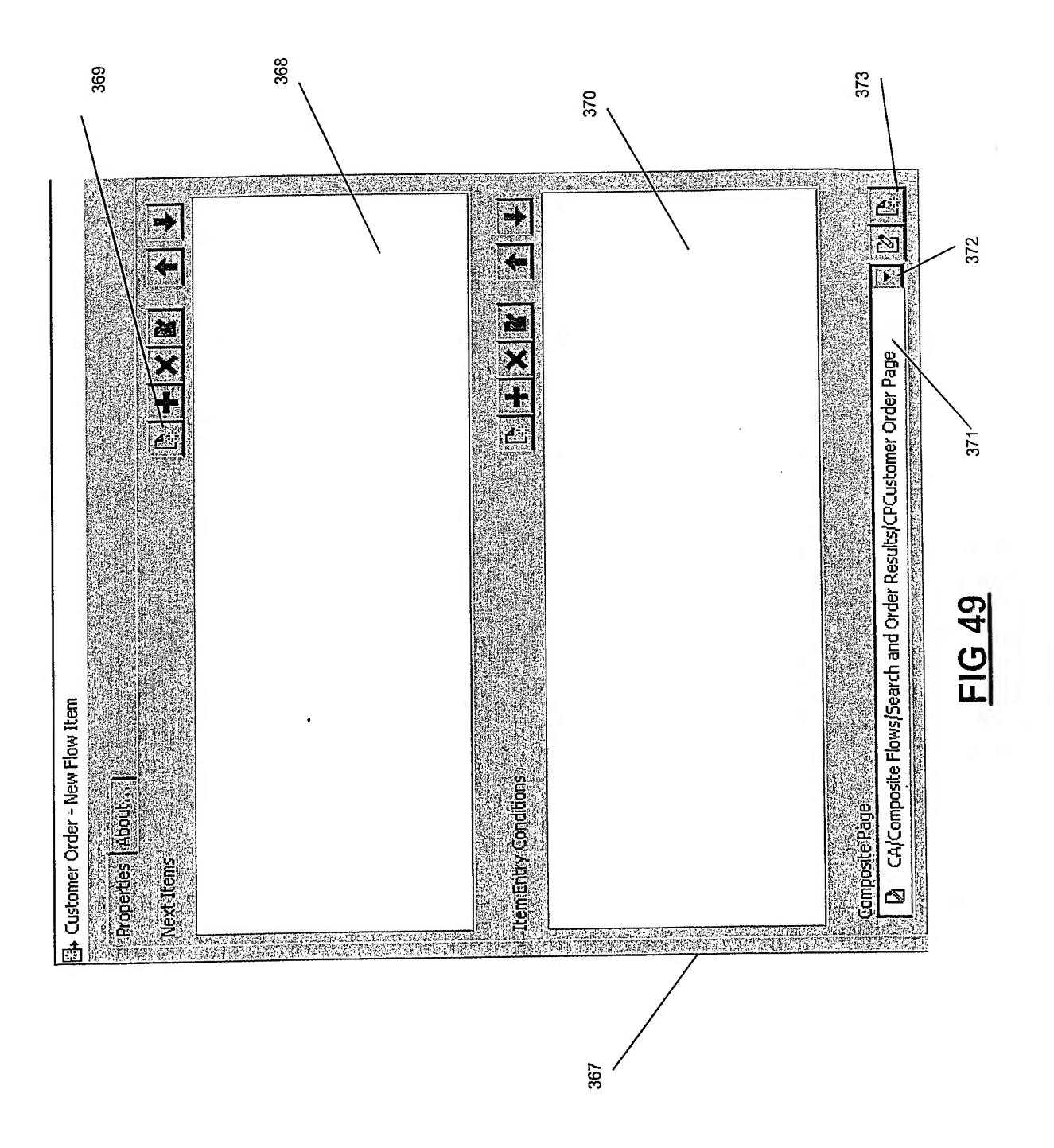


59/69





60/69



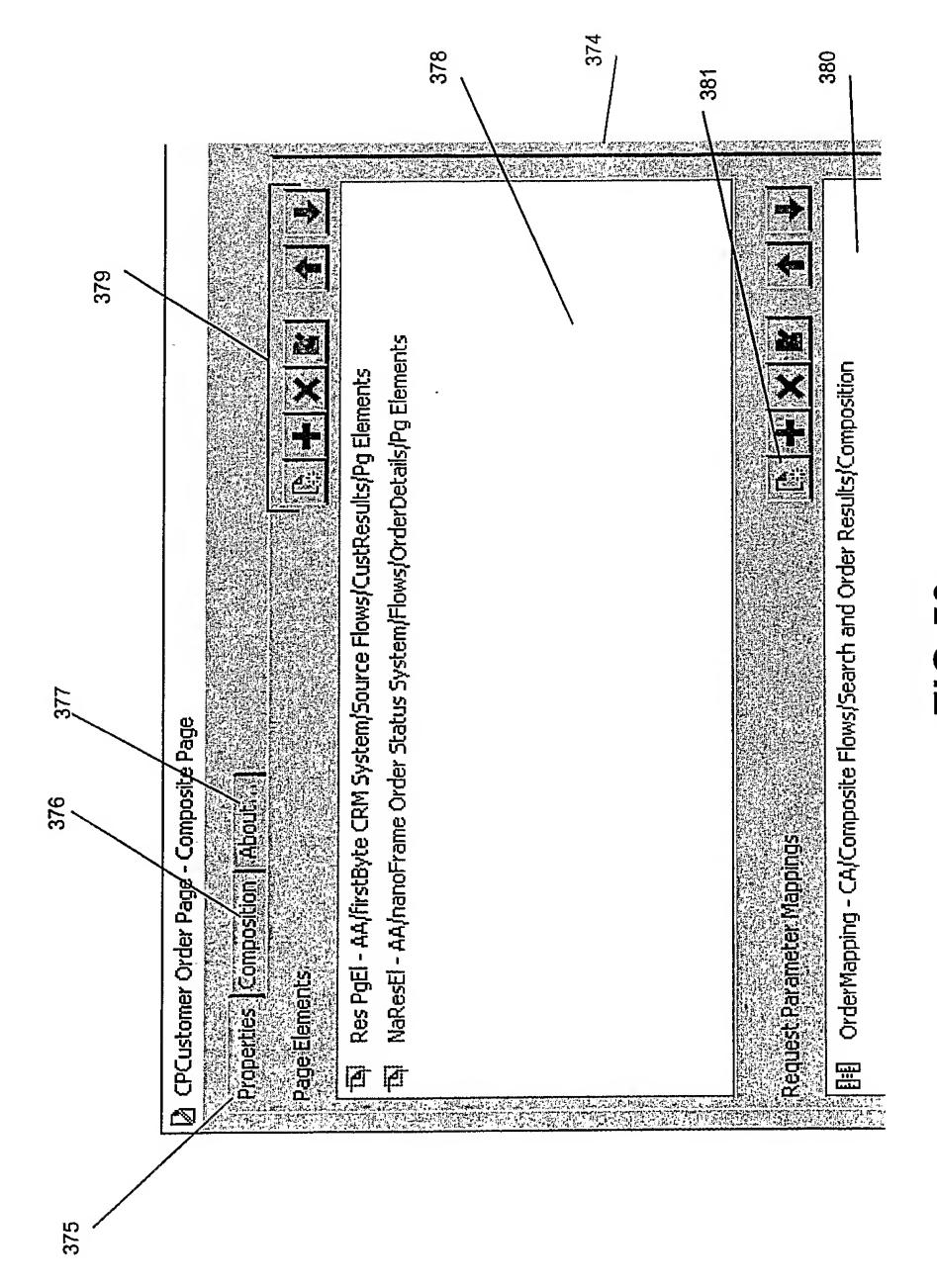


FIG 50

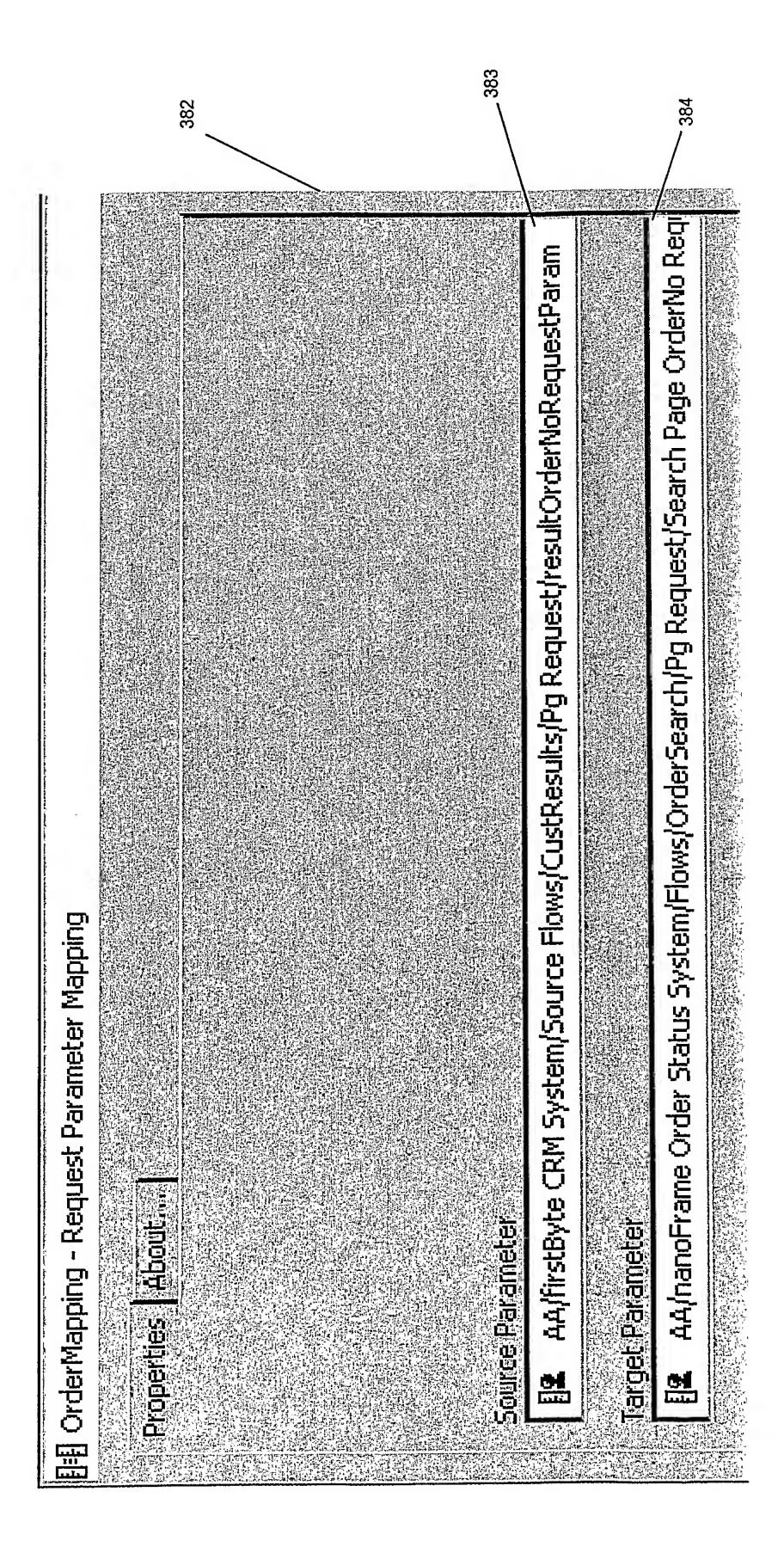


FIG 5

63/69

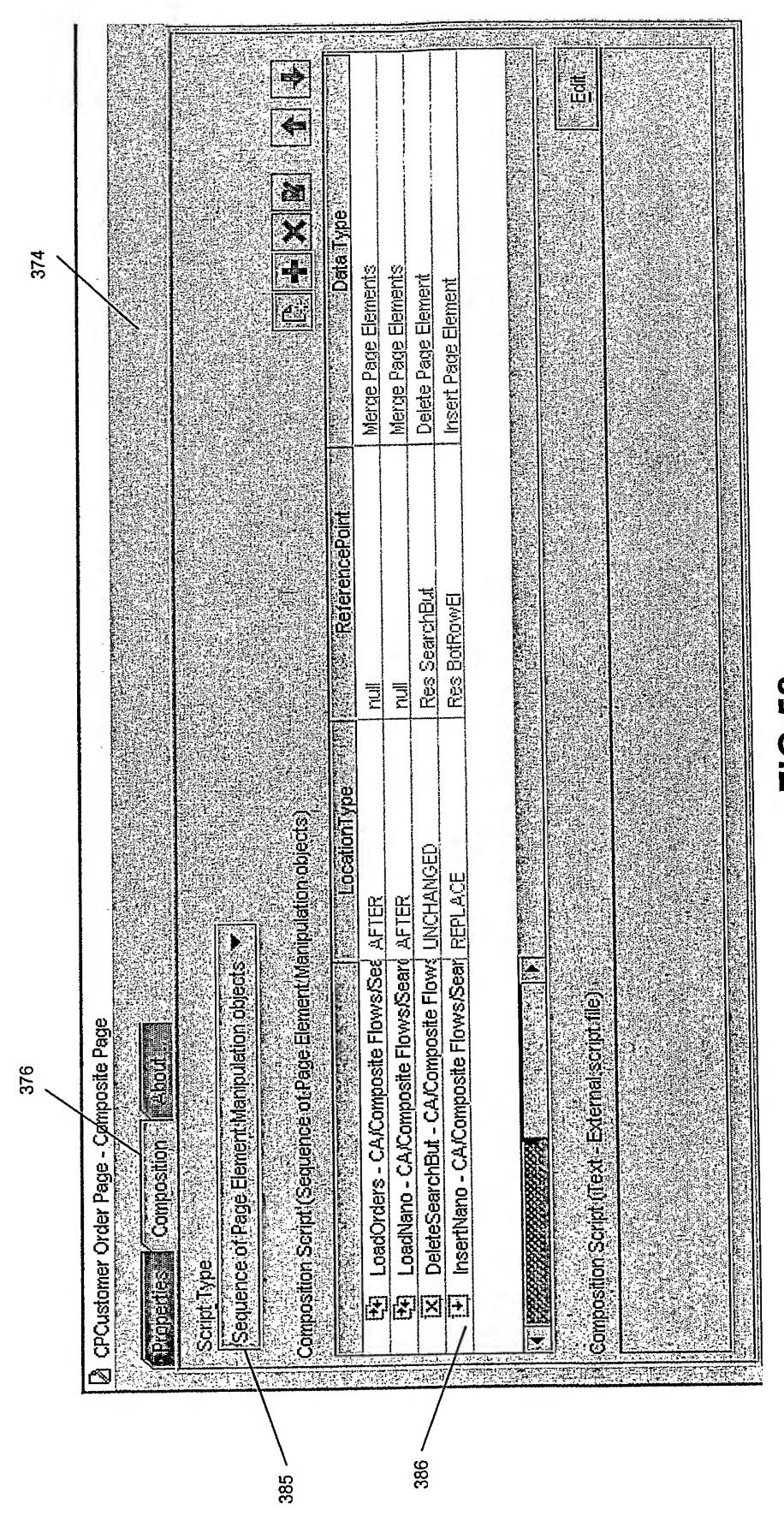
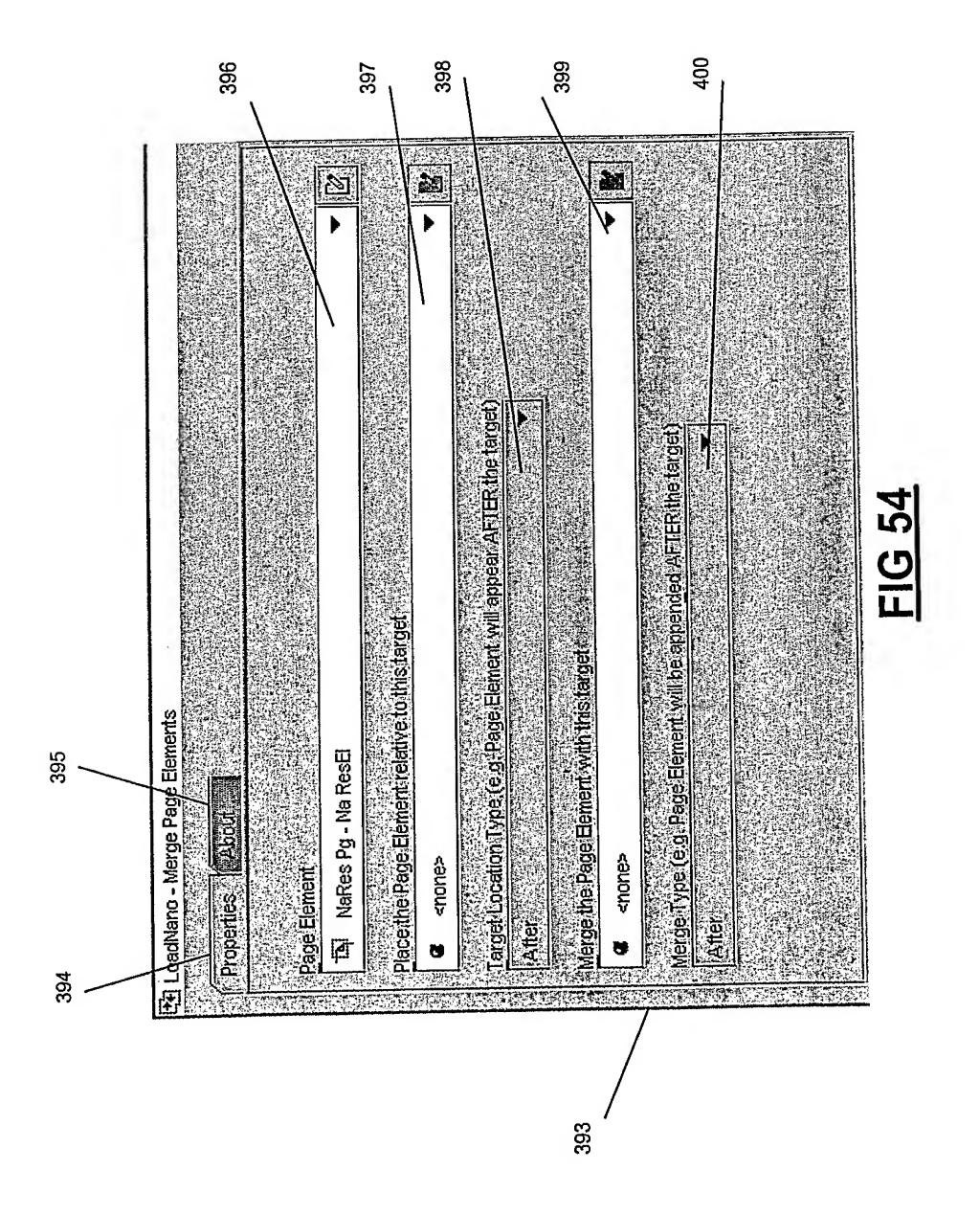
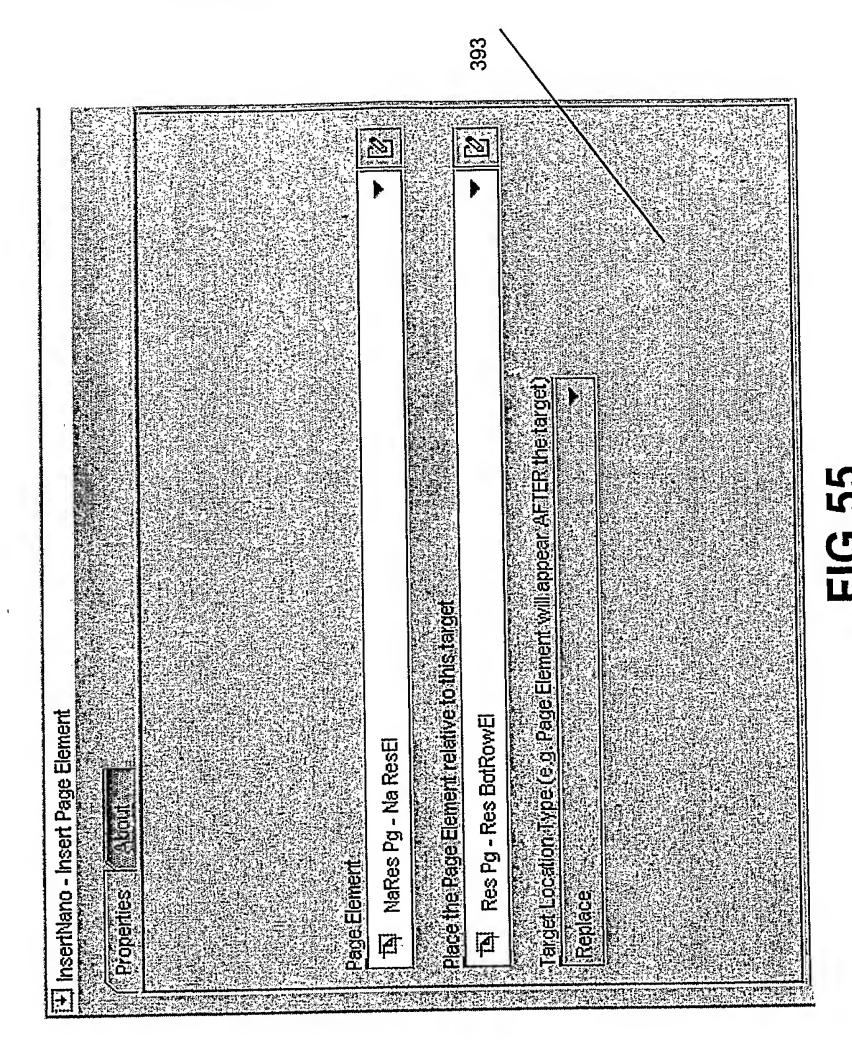
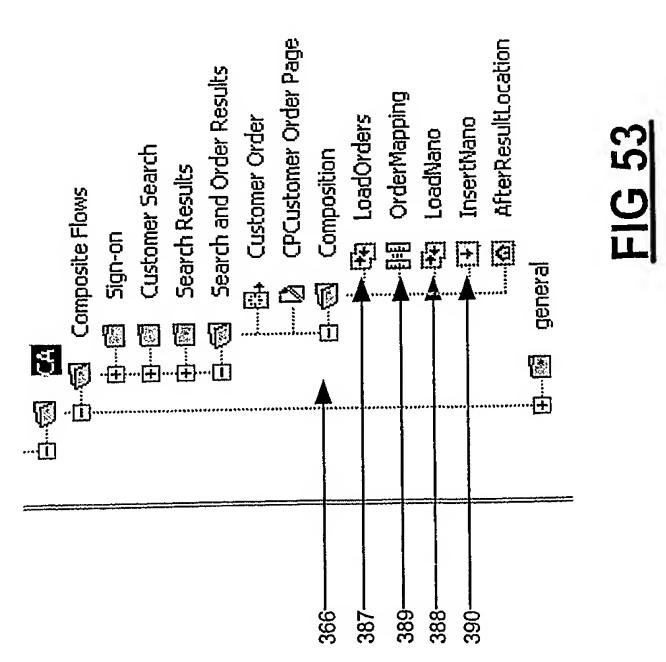


FIG 52

64/69







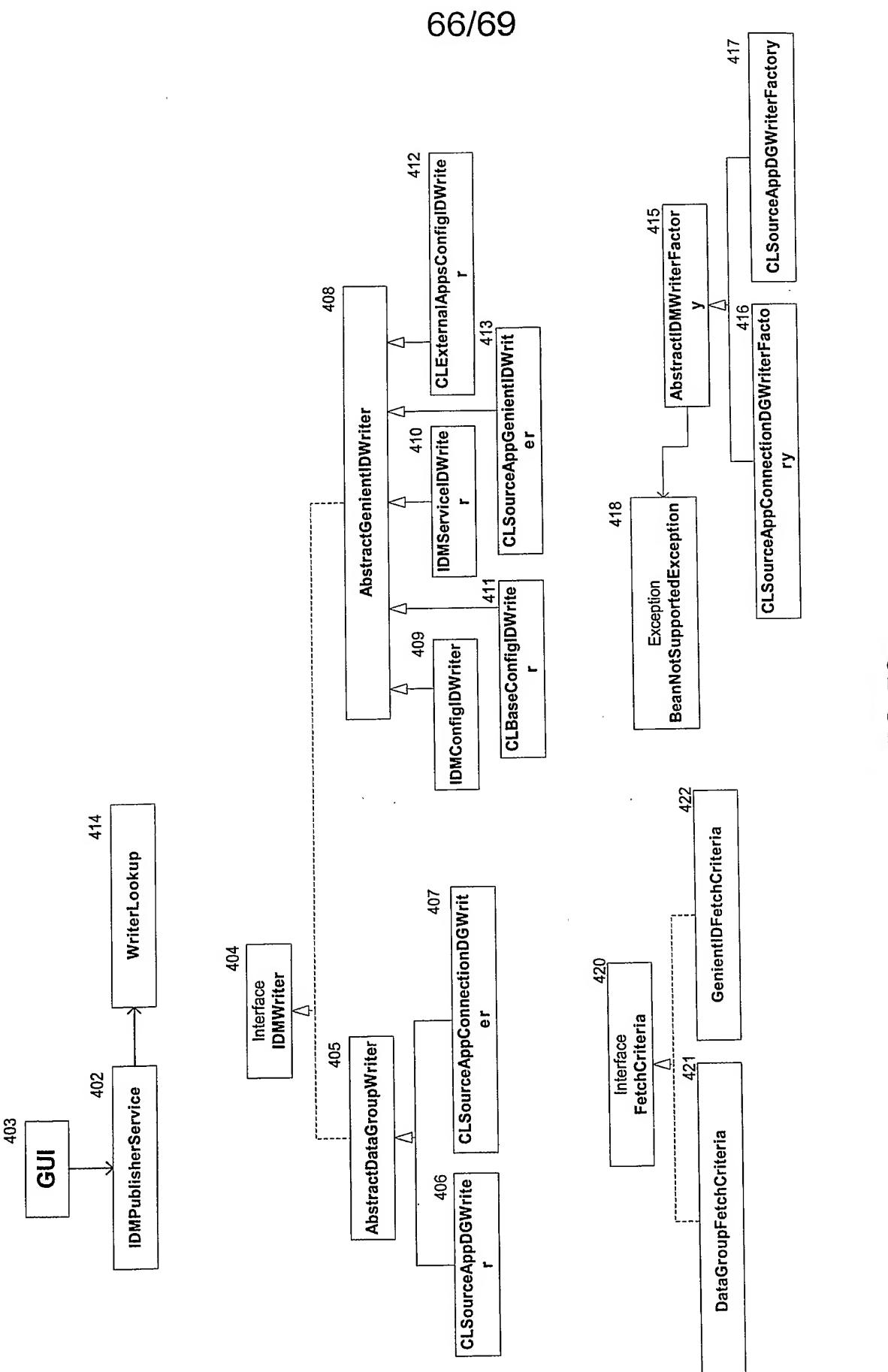


FIG 56

67/69

